

Data File : VX004207.D
Acq On : 22 Aug 2018 19:03
Operator : JC/MD
Sample : J4579-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Quant Time: Aug 23 05:51:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476272	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260200	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	202105	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	5.50	113	173226	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	8.71	98	677508	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.14	95	238271	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds				Qvalue		
3) Chloromethane	1.32	50	2201	0.842	ug/l	94
5) Bromomethane	1.65	94	1431	Below Cal		84
6) Chloroethane	1.68	64	4812	2.436	ug/l #	64
10) Methyl Iodide	2.51	142	1399	4.590	ug/l #	95
11) Tert butyl alcohol	3.07	59	569	0.661	ug/l #	72
13) Acrolein	2.39	56	34637	166.939	ug/l #	76
14) Allyl chloride	2.84	41	86129	14.285	ug/l #	63
15) Acrylonitrile	3.17	53	23039	10.810	ug/l #	40
16) Acetone	2.45	43	10763	Below Cal		99
17) Carbon Disulfide	2.57	76	1455	0.955	ug/l #	95
18) Methyl Acetate	2.84	43	219423	36.624	ug/l #	51
20) Methylene Chloride	2.84	84	1588	0.409	ug/l #	1
25) 2-Butanone	4.71	43	2155	Below Cal	#	84
26) 2,2-Dichloropropane	4.39	77	15377	2.988	ug/l #	52
29) Tetrahydrofuran	5.22	42	2290	1.320	ug/l #	1
31) Cyclohexane	5.57	56	1630896	288.123	ug/l	99
36) 1,1-Dichloropropene	5.66	75	20582	3.844	ug/l #	49
37) Ethyl Acetate	4.85	43	2241	0.426	ug/l #	90
38) Carbon Tetrachloride	5.67	117	27282	5.416	ug/l #	14
39) Methylcyclohexane	7.46	83	1050879	171.903	ug/l	99
40) Benzene	6.15	78	23601	1.475	ug/l	96
41) Methacrylonitrile	5.24	41	10206	3.344	ug/l #	46
43) Isopropyl Acetate	6.45	43	11276	1.394	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	9503	2.373	ug/l #	1
47) Bromodichloromethane	7.85	83	1815	0.366	ug/l #	37
48) Methyl methacrylate	7.73	41	31440	7.261	ug/l #	52
51) 4-Methyl-2-Pentanone	8.66	43	8970	1.526	ug/l #	49
52) Toluene	8.79	92	65981	6.588	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	51566	12.755	ug/l #	20
56) Ethyl methacrylate	9.16	69	11248	2.044	ug/l #	1
67) Ethyl Benzene	10.26	91	4329941	255.478	ug/l	98
68) m/p-Xylenes	10.37	106	3480920	525.252	ug/l	94
69) o-Xylene	10.70	106	1582623	252.463	ug/l	99
70) Styrene	10.70	104	75643	7.452	ug/l #	1

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Instrument :
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ClientSampleId :
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Quant Time: Aug 23 05:51:36 2018
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	11.02	105	323233	18.914	ug/l	98
76) 1,2,3-Trichloropropane	11.44	75	14352	2.712	ug/l #	1
78) n-propylbenzene	11.36	91	497817	25.327	ug/l	99
79) 2-Chlorotoluene	11.44	91	213295	17.631	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	764749	54.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	3550	2.177	ug/l #	60
82) 4-Chlorotoluene	11.51	91	79436	5.580	ug/l #	44
83) tert-Butylbenzene	11.77	119	31889	2.240	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	3189798	219.571	ug/l	98
85) sec-Butylbenzene	11.81	105	3189798	188.687	ug/l #	55
86) p-Isopropyltoluene	12.07	119	48985	3.233	ug/l	96
89) n-Butylbenzene	12.39	91	97314	7.899	ug/l #	36
90) Hexachloroethane	12.59	117	12498	5.902	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	816	0.775	ug/l #	1
94) Hexachlorobutadiene	13.78	225	288	Below Cal		85
95) Naphthalene	13.83	128	1741103	102.563	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA X/WATER

```
ALS Vial      : 19      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
FL-0541

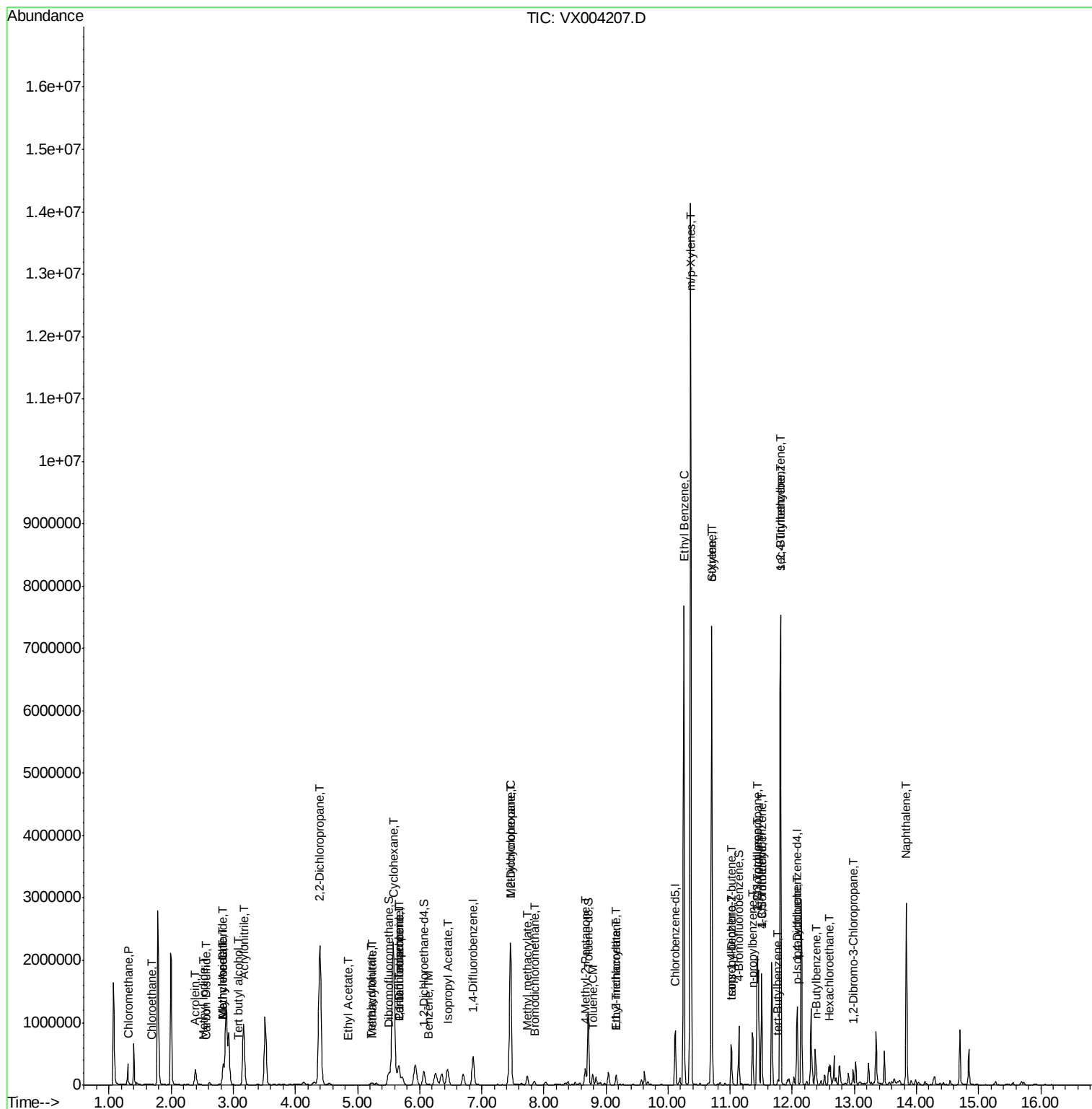
Quant Time: Aug 23 05:51:36 2018

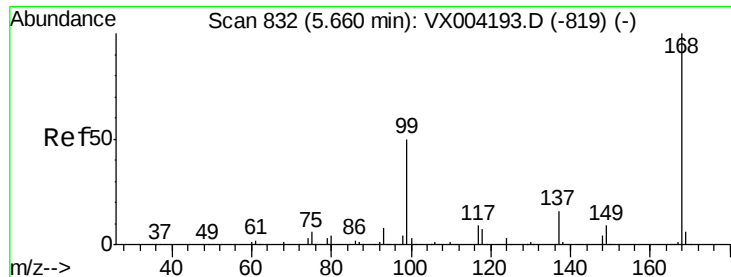
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_X\METHOD\82X082218W.M

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

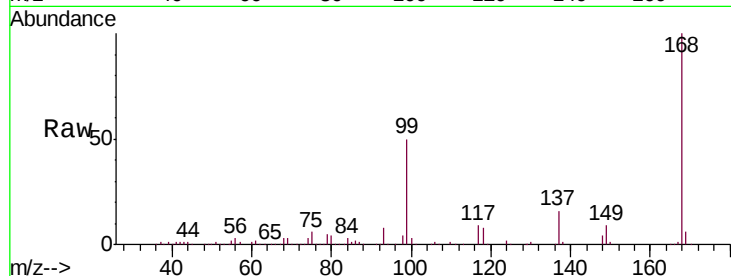
FL-0541

Tgt Ion:168 Resp: 309761

Ion Ratio Lower Upper

168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

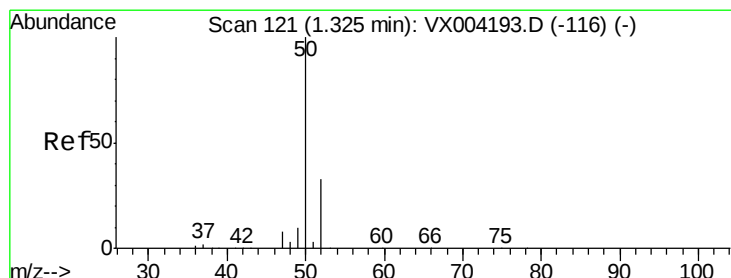
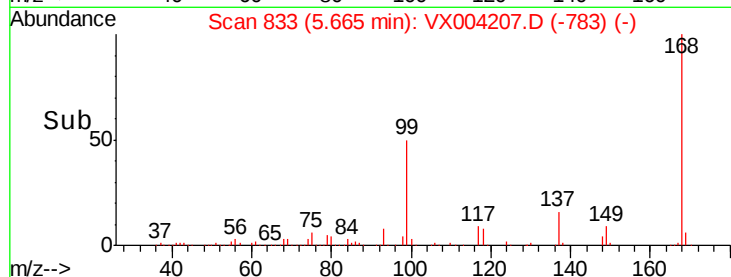
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.842 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004207.D

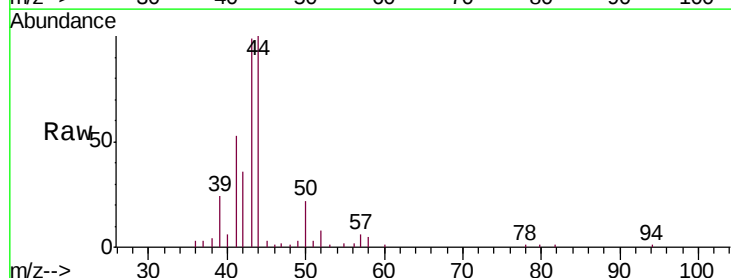
Acq: 22 Aug 2018 19:03

Tgt Ion: 50 Resp: 2201

Ion Ratio Lower Upper

50 100

52 36.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

3000

2500

2000

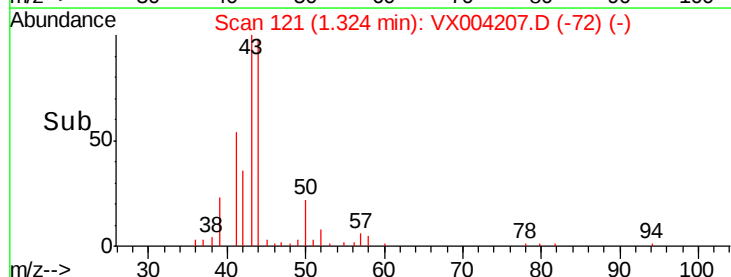
1500

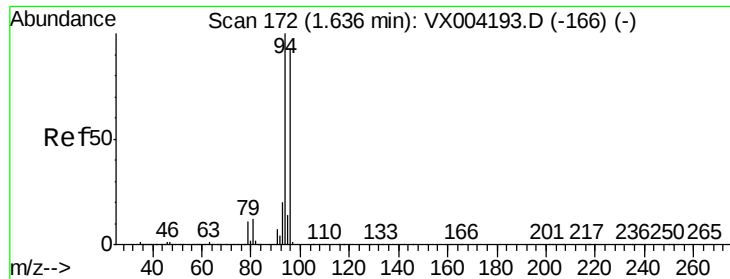
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

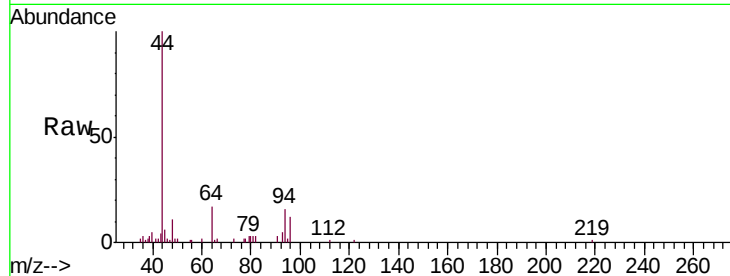
FL-0541

Tgt Ion: 94 Resp: 1431

Ion Ratio Lower Upper

94 100

96 78.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

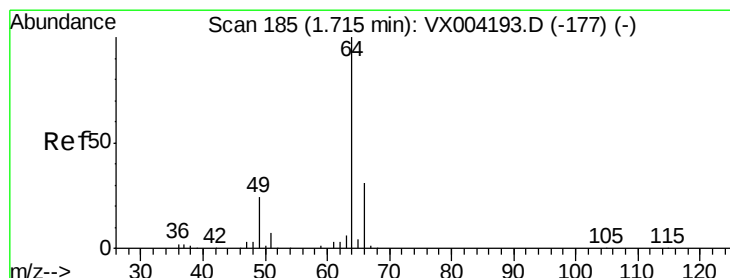
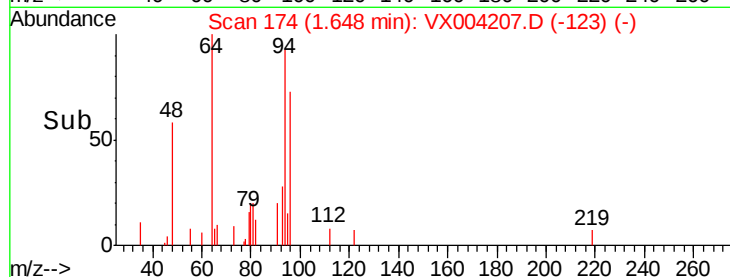
400

200

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 2.436 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX004207.D

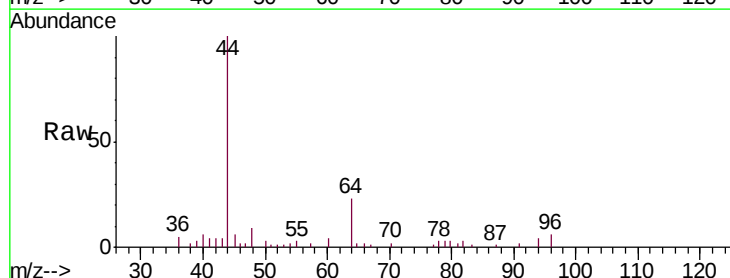
Acq: 22 Aug 2018 19:03

Tgt Ion: 64 Resp: 4812

Ion Ratio Lower Upper

64 100

66 11.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

1200

1000

800

600

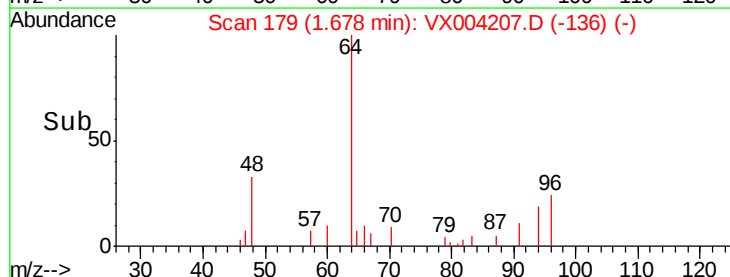
400

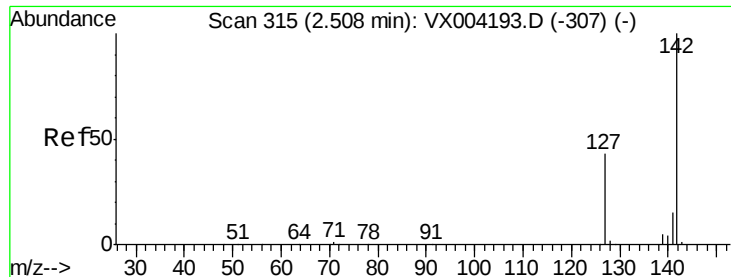
200

0

1.50 1.60 1.70

Time-->

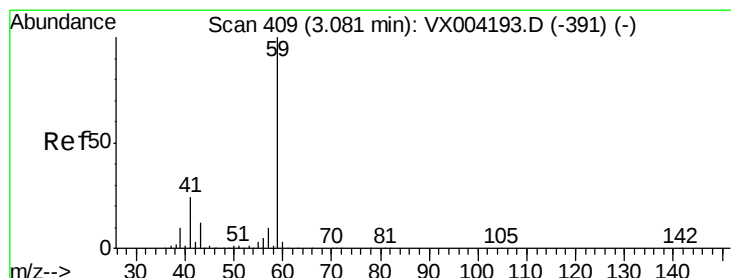
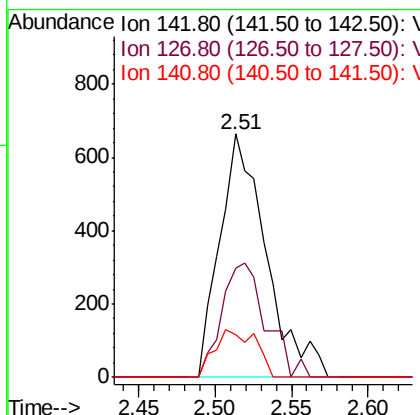
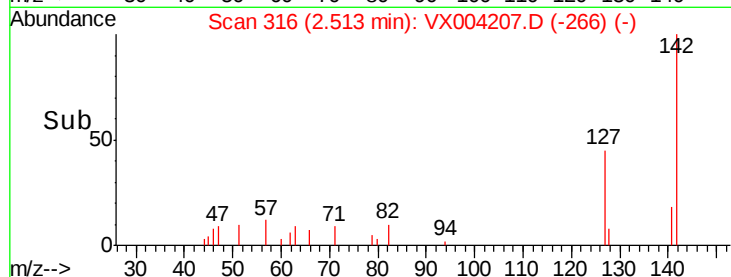
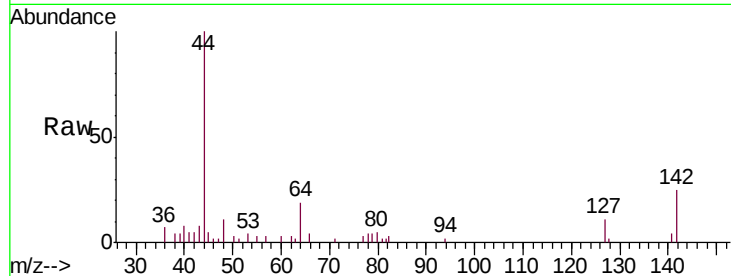




#10
Methyl Iodide
Concen: 4.590 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

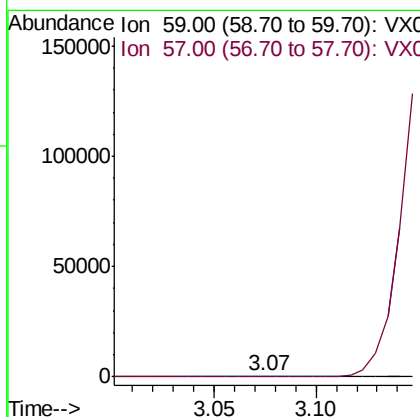
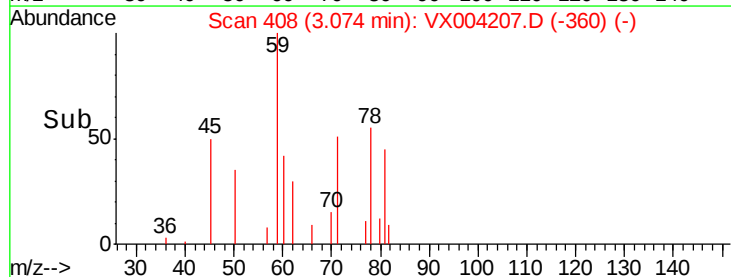
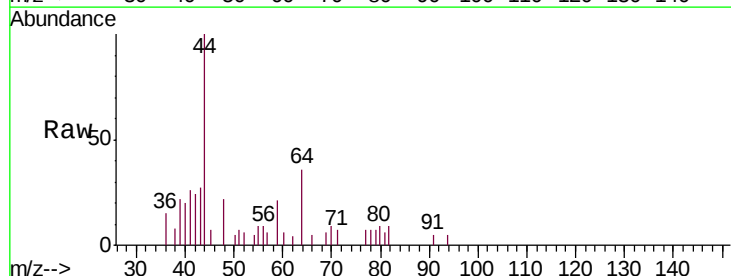
Instrument :
MSVOA_X
ClientSampleId :
FL-0541

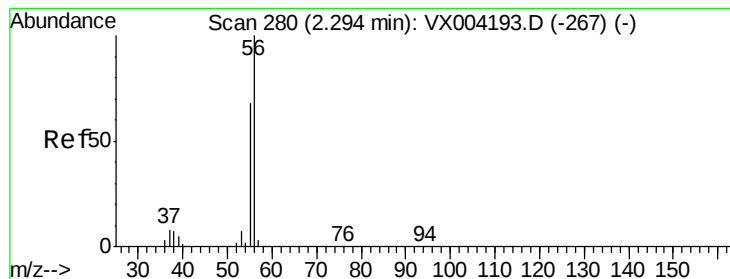
Tgt Ion:142 Resp: 1399
Ion Ratio Lower Upper
142 100
127 45.1 33.8 50.6
141 17.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.661 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 59 Resp: 569
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 166.939 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.10 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

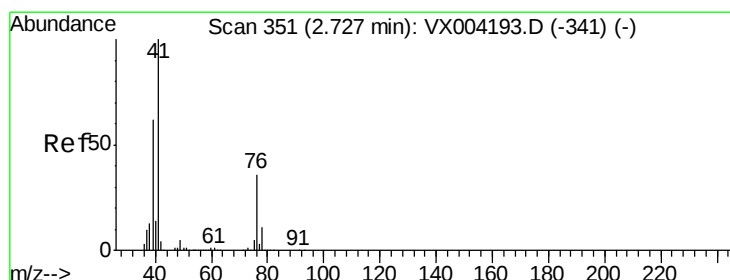
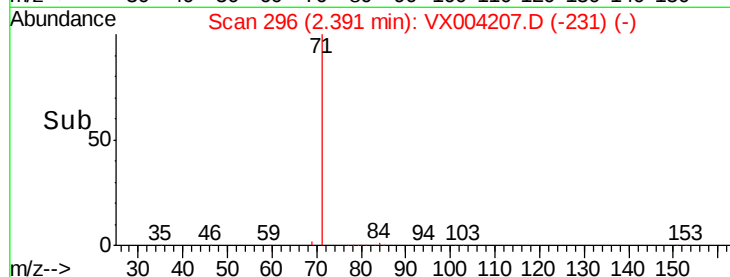
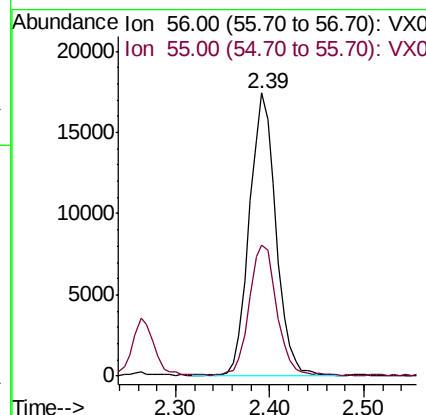
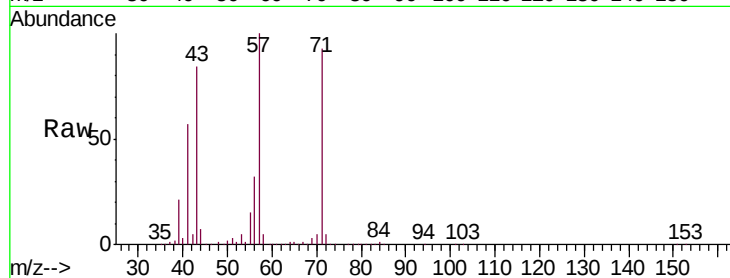
FL-0541

Tgt Ion: 56 Resp: 34637

Ion Ratio Lower Upper

56 100

55 48.9 54.7 82.1#



#14

Allyl chloride

Concen: 14.285 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

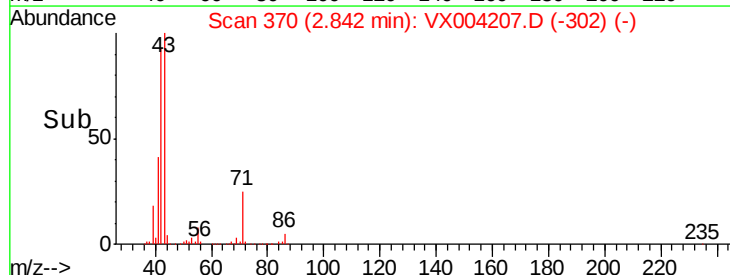
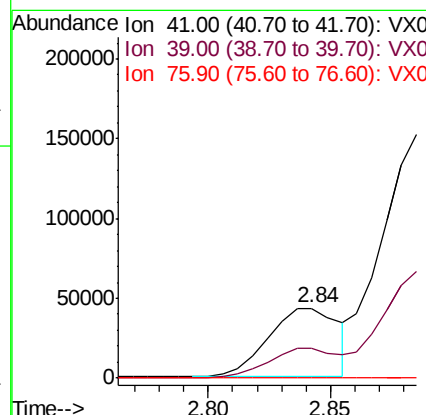
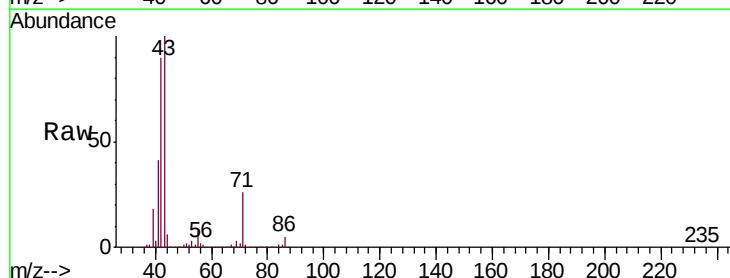
Tgt Ion: 41 Resp: 86129

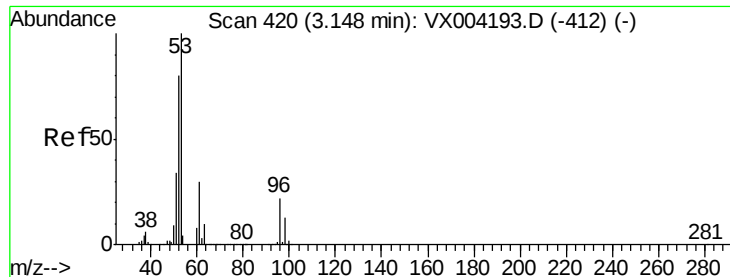
Ion Ratio Lower Upper

41 100

39 42.2 48.9 73.3#

76 0.0 26.7 40.1#





#15

Acrylonitrile

Concen: 10.810 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.02 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

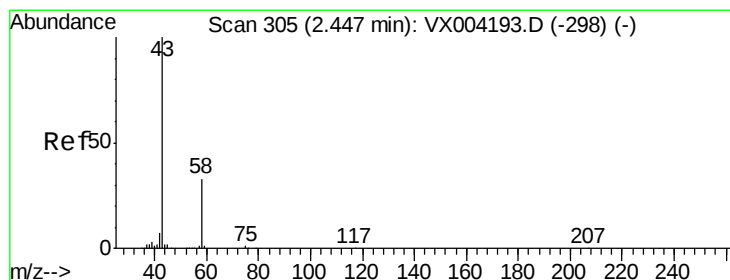
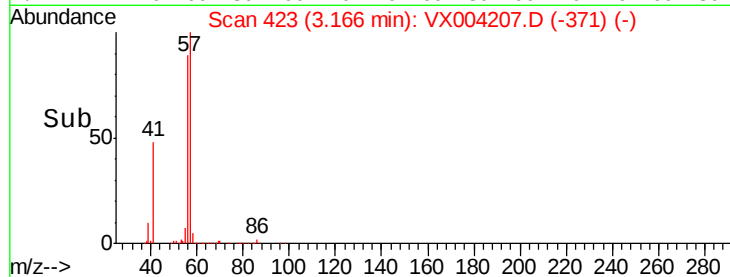
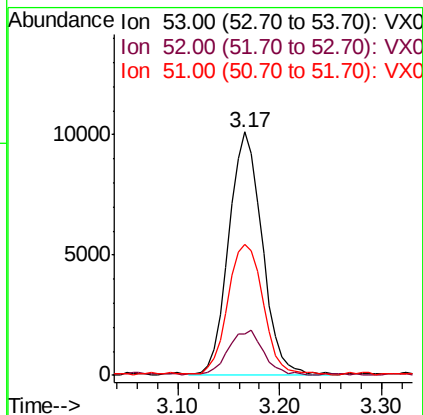
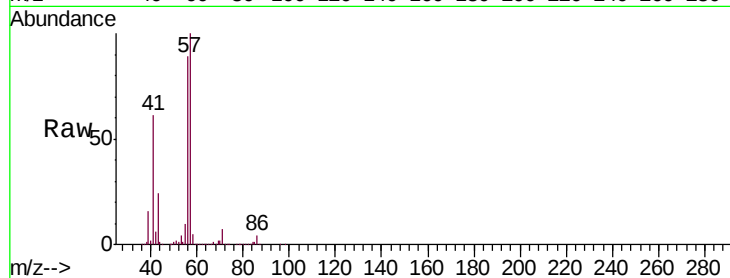
Tgt Ion: 53 Resp: 23039

Ion Ratio Lower Upper

53 100

52 19.6 65.2 97.8#

51 57.9 28.2 42.2#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004207.D

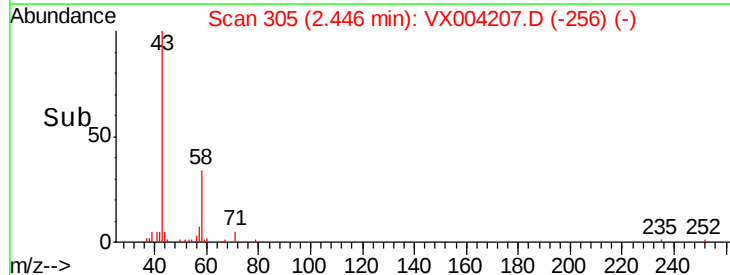
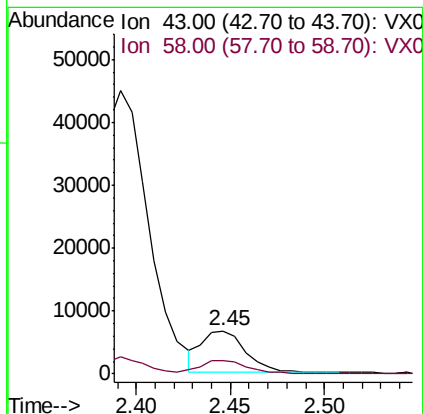
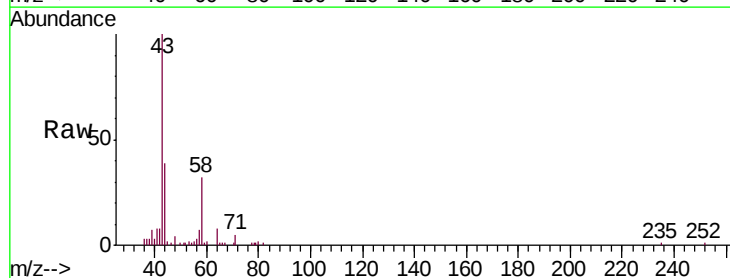
Acq: 22 Aug 2018 19:03

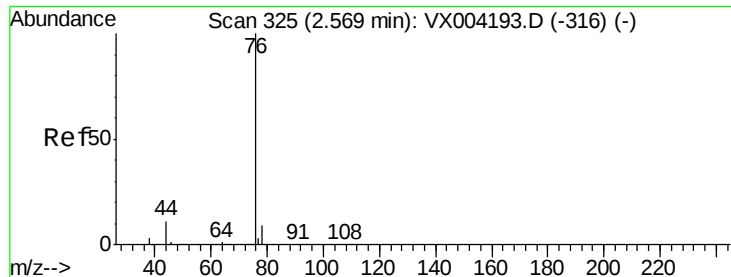
Tgt Ion: 43 Resp: 10763

Ion Ratio Lower Upper

43 100

58 33.4 26.2 39.4

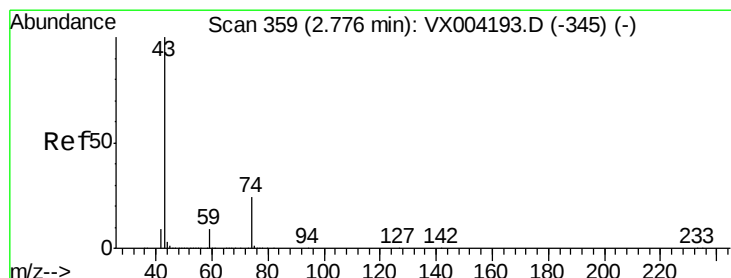
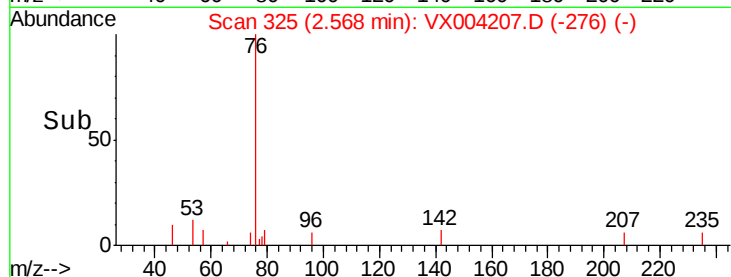
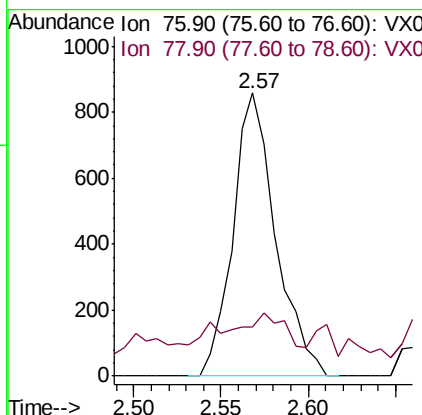
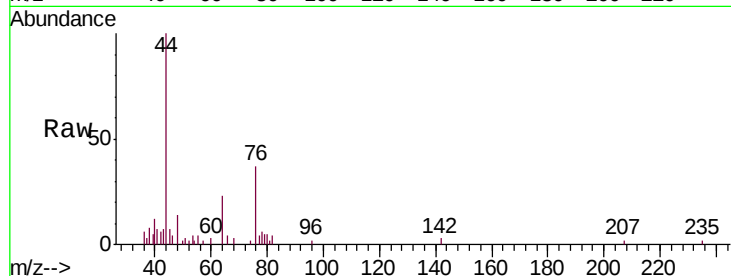




#17
Carbon Disulfide
Concen: 0.955 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

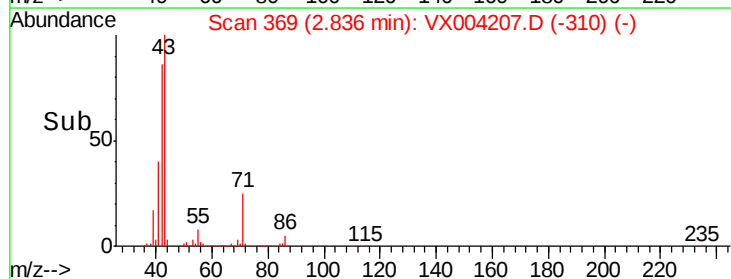
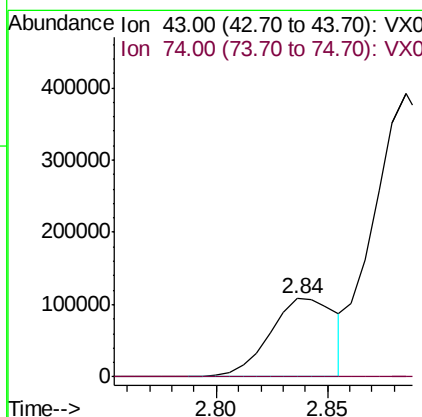
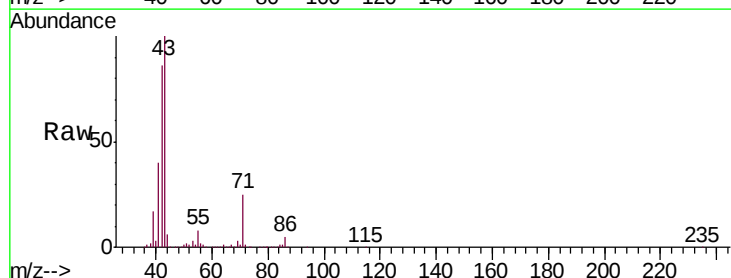
Instrument :
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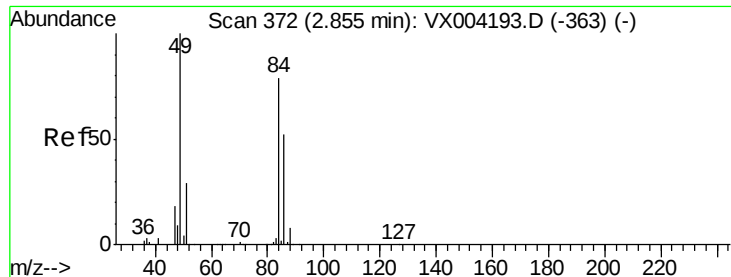
Tgt Ion: 76 Resp: 1455
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#



#18
Methyl Acetate
Concen: 36.624 ug/l
RT: 2.84 min Scan# 369
Delta R.T. 0.06 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 43 Resp: 219423
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#20

Methylene Chloride

Concen: 0.409 ug/l

RT: 2.84 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

Tgt Ion: 84 Resp: 1588

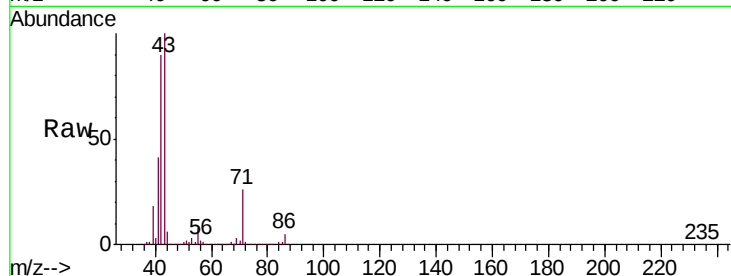
Ion Ratio Lower Upper

84 100

49 24.4 101.2 151.8#

51 150.5 29.5 44.3#

86 515.0 52.3 78.5#

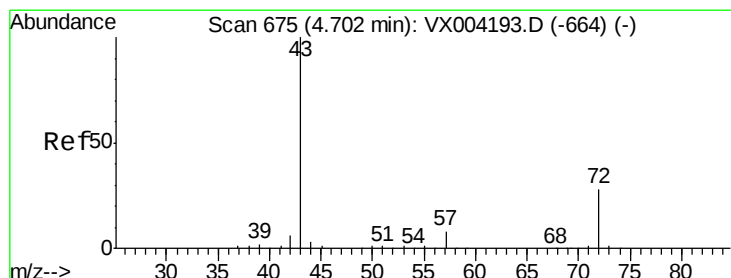
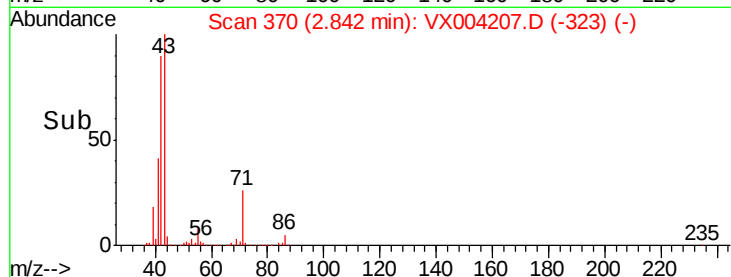
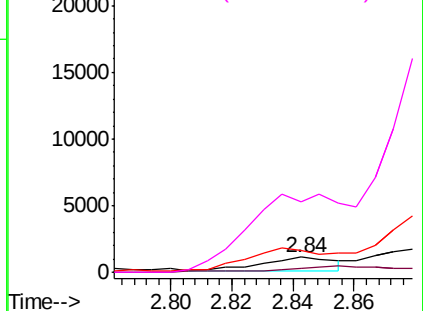


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX004207.D

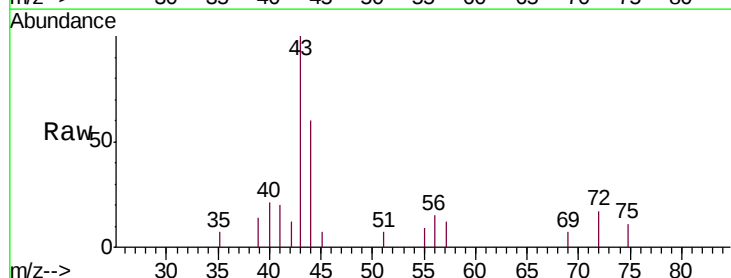
Acq: 22 Aug 2018 19:03

Tgt Ion: 43 Resp: 2155

Ion Ratio Lower Upper

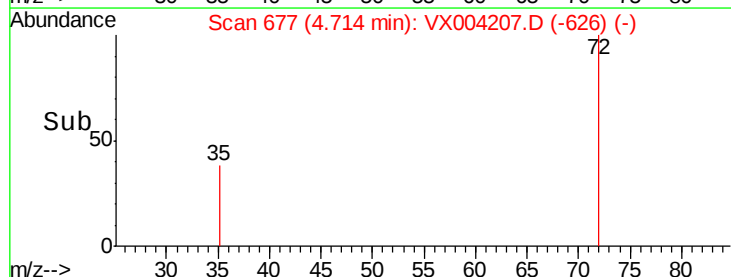
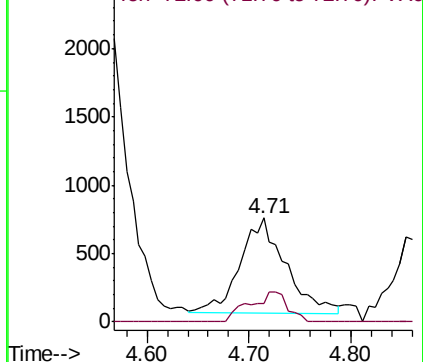
43 100

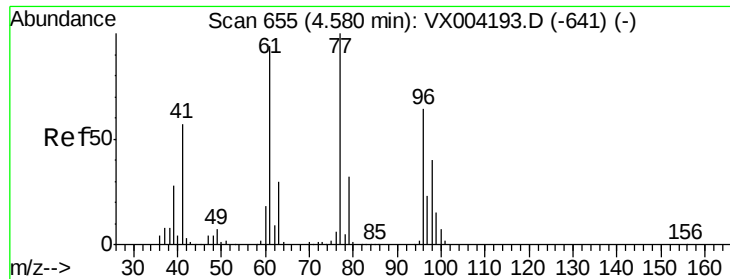
72 19.4 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

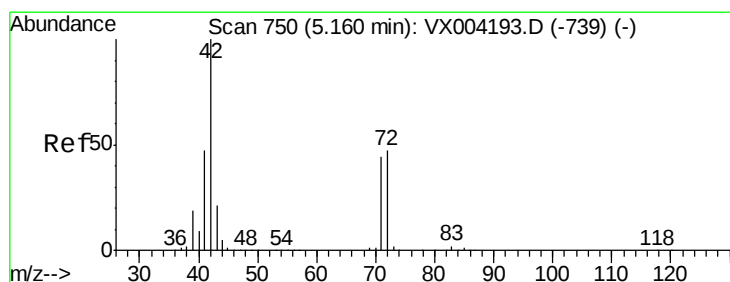
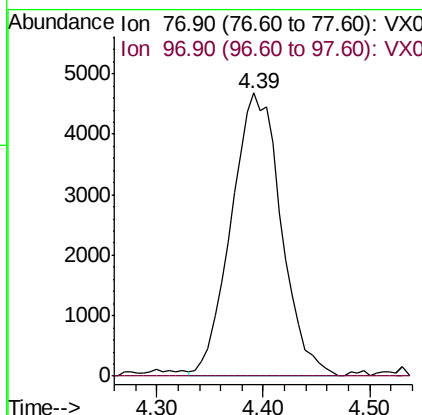
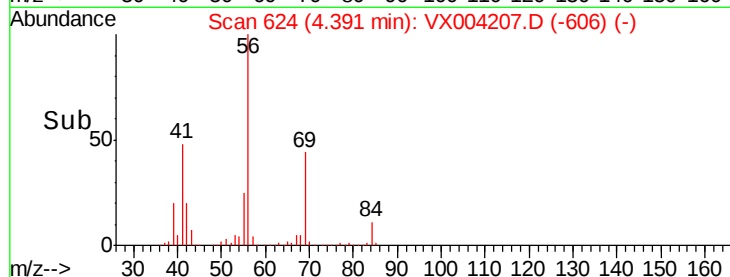
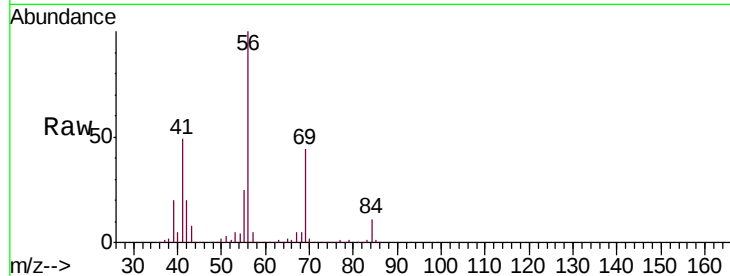




#26
 2,2-Dichloropropane
 Concen: 2.988 ug/l
 RT: 4.39 min Scan# 624
 Delta R.T. -0.19 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

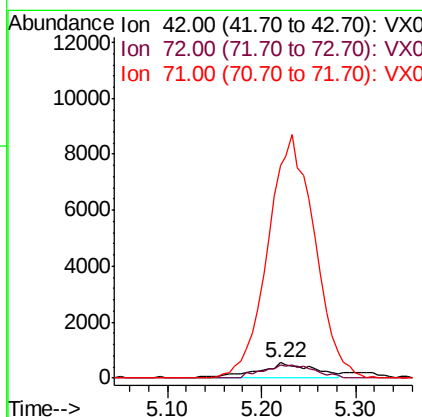
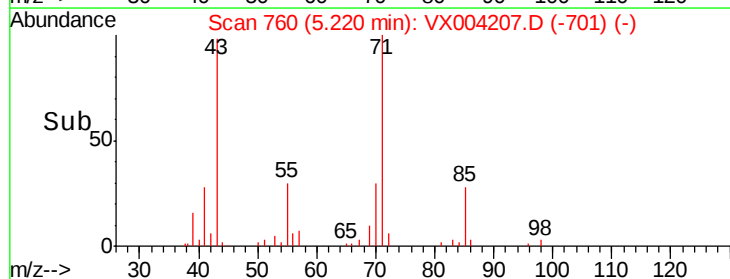
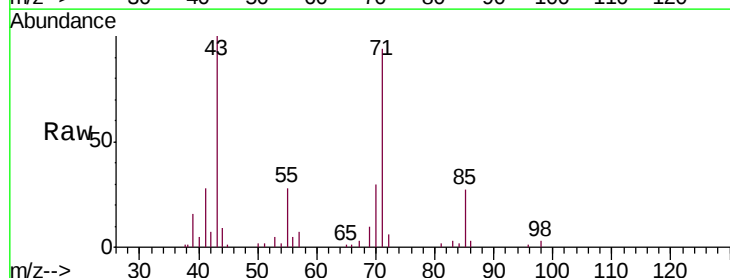
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0541

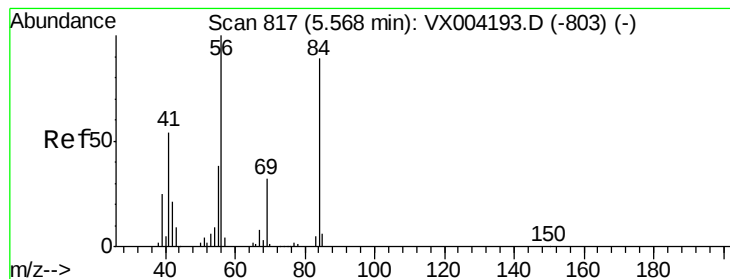
Tgt Ion: 77 Resp: 15377
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 1.320 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. 0.06 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Tgt Ion: 42 Resp: 2290
 Ion Ratio Lower Upper
 42 100
 72 78.4 37.4 56.0#
 71 1311.3 34.5 51.7#





#31

Cyclohexane

Concen: 288.123 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

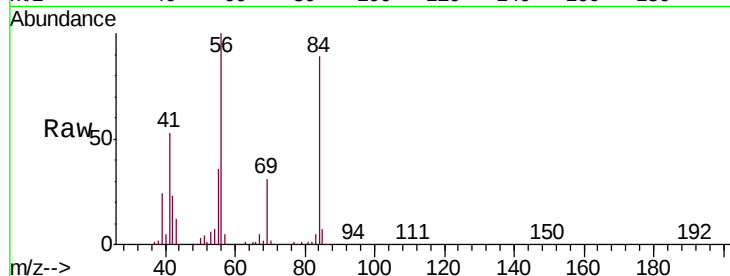
Tgt Ion: 56 Resp: 1630896

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.2

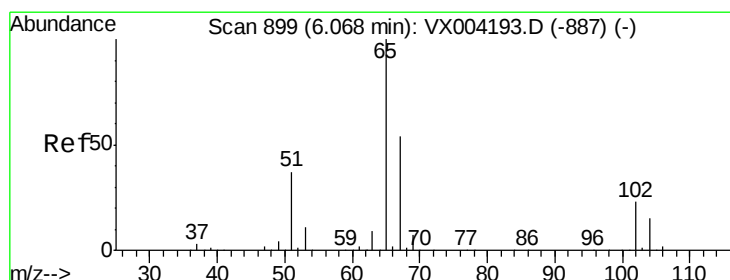
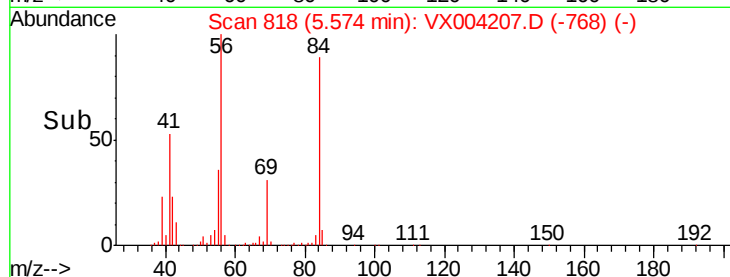
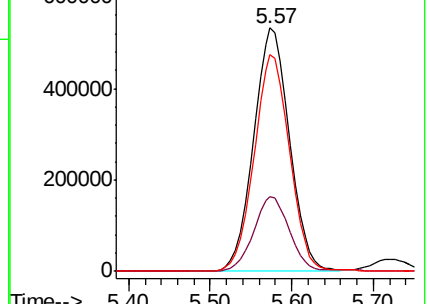
84 89.2 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.059 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004207.D

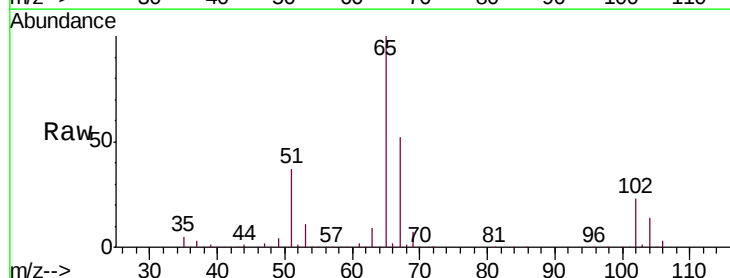
Acq: 22 Aug 2018 19:03

Tgt Ion: 65 Resp: 202105

Ion Ratio Lower Upper

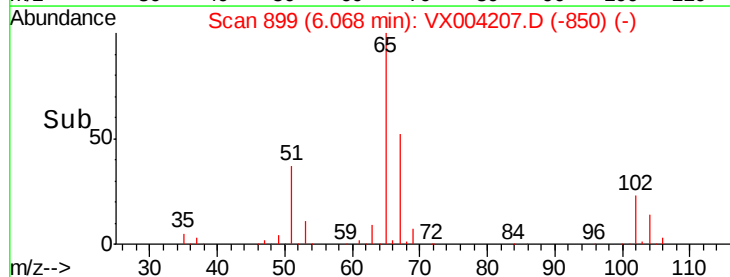
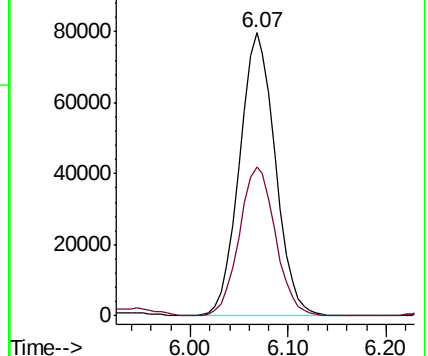
65 100

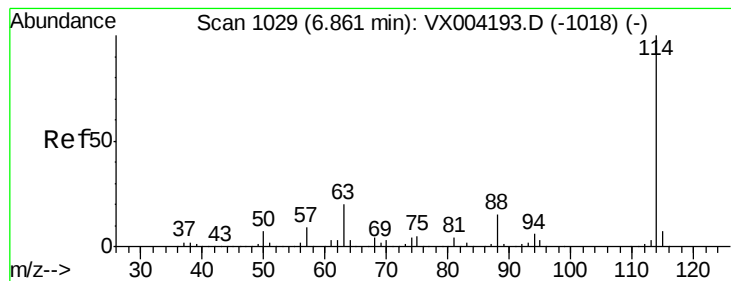
67 52.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

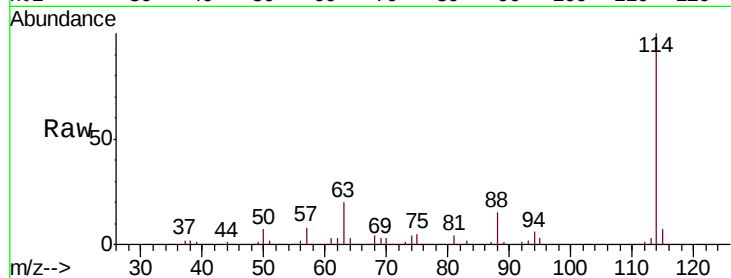
Tgt Ion:114 Resp: 476272

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

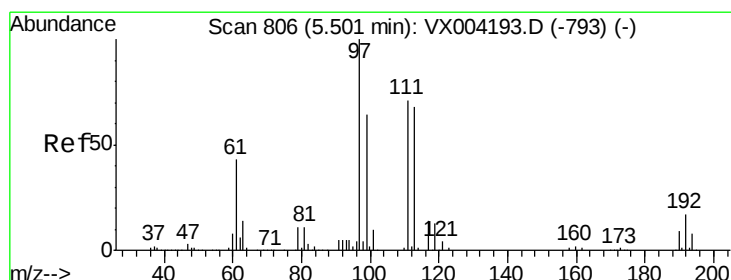
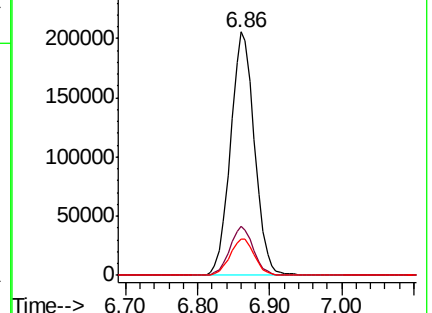
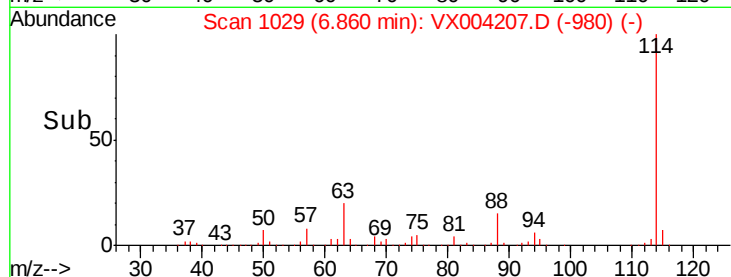
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

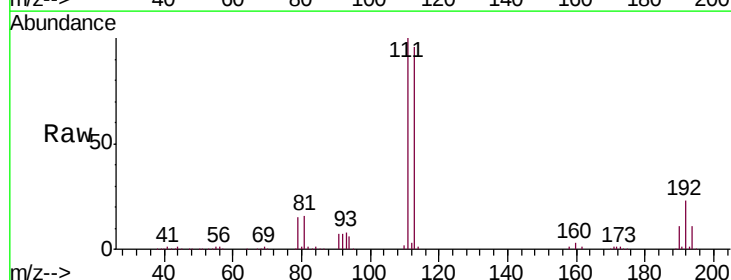
Tgt Ion:113 Resp: 173226

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

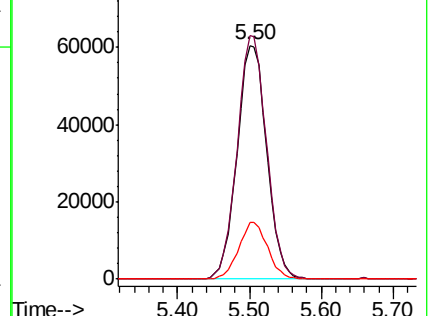
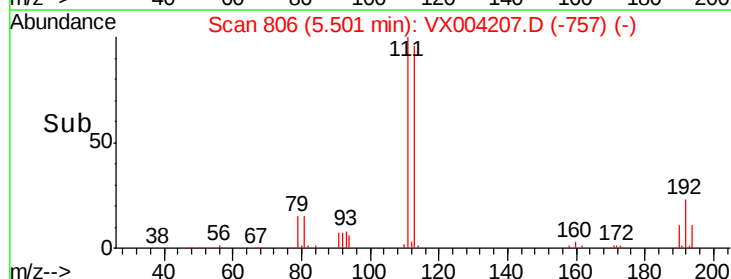
192 23.7 19.4 29.2

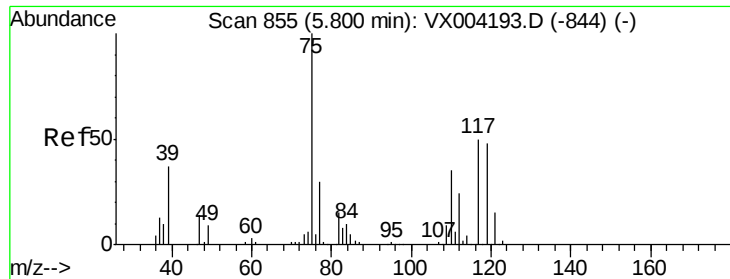


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

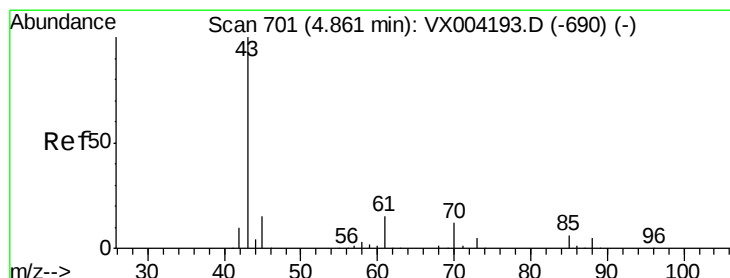
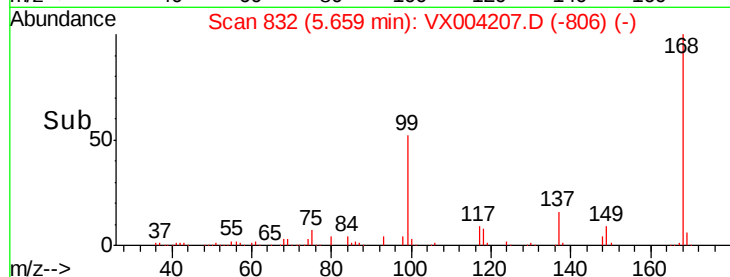
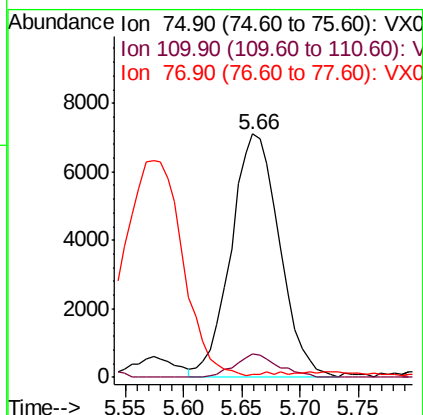
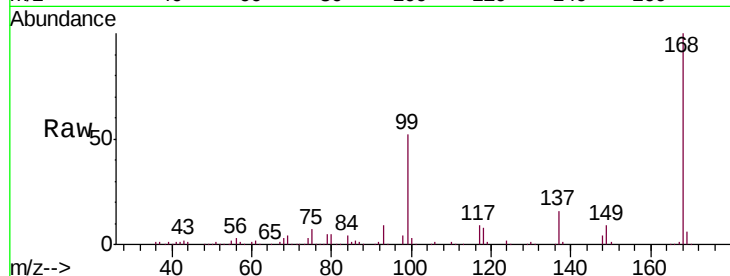




#36
 1,1-Dichloropropene
 Concen: 3.844 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

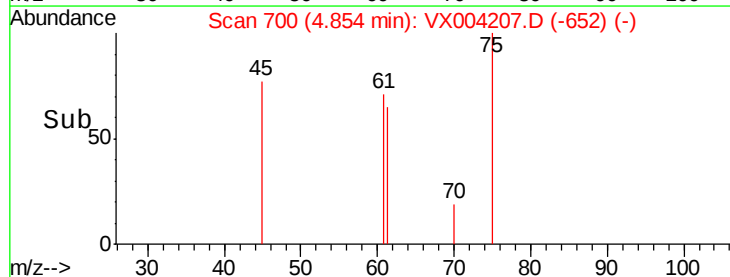
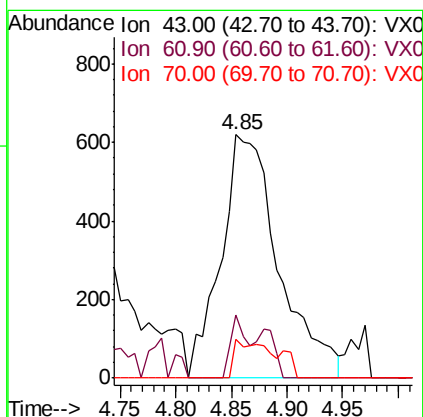
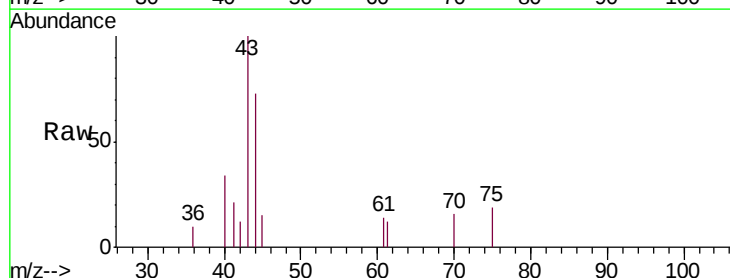
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0541

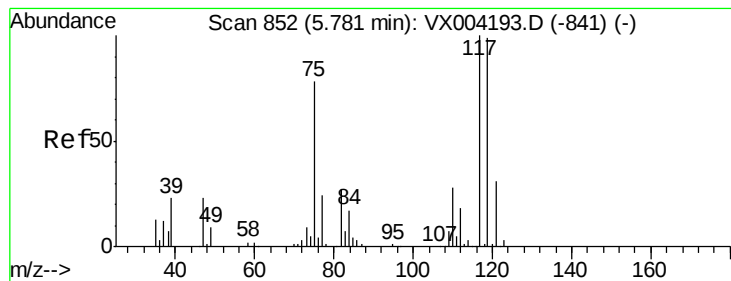
Tgt Ion: 75 Resp: 20582
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.0 54.0#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.426 ug/l
 RT: 4.85 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Tgt Ion: 43 Resp: 2241
 Ion Ratio Lower Upper
 43 100
 61 7.0 11.5 17.3#
 70 11.0 9.0 13.6





#38

Carbon Tetrachloride

Concen: 5.416 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

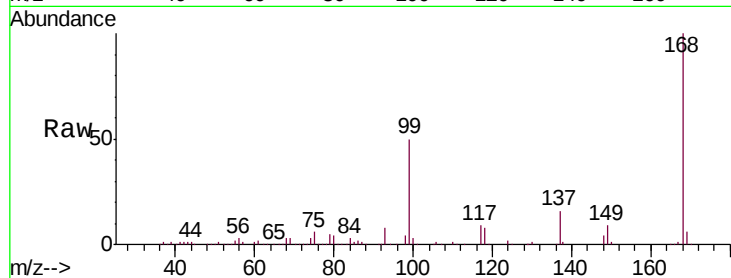
Tgt Ion:117 Resp: 27282

Ion Ratio Lower Upper

117 100

119 4.6 78.8 118.2#

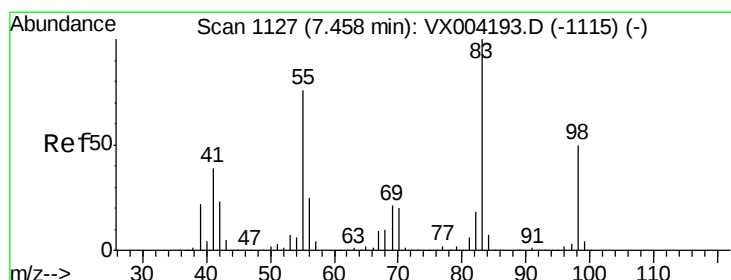
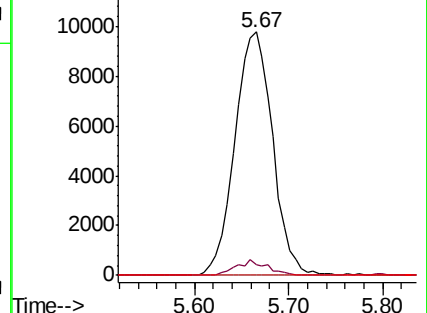
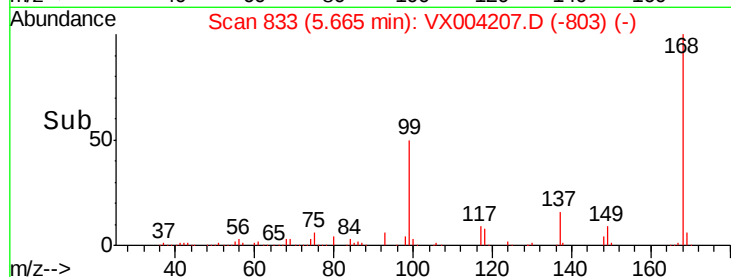
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 171.903 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

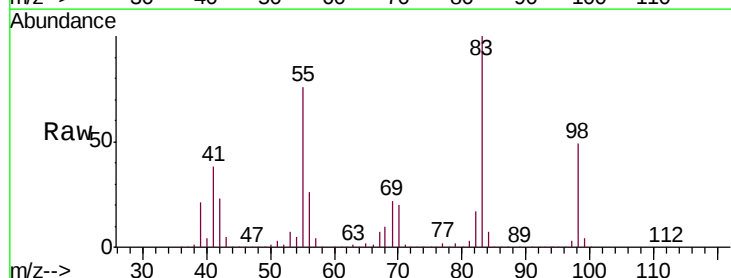
Tgt Ion: 83 Resp: 1050879

Ion Ratio Lower Upper

83 100

55 75.7 61.0 91.4

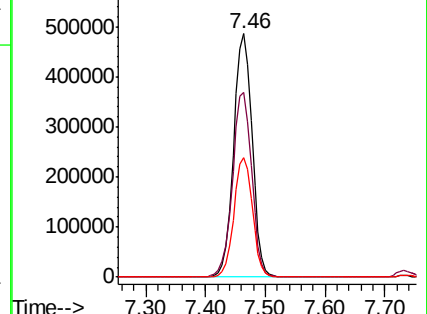
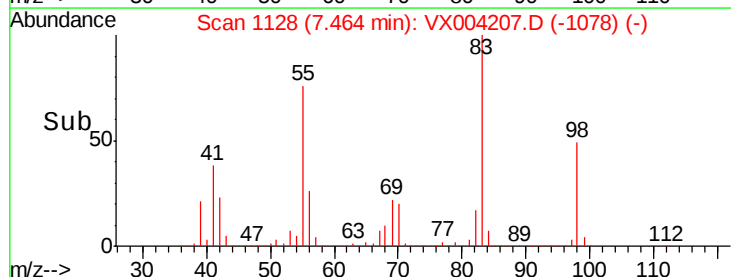
98 48.9 39.6 59.4

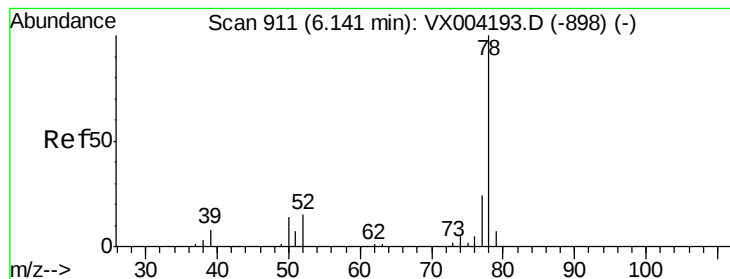


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.475 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

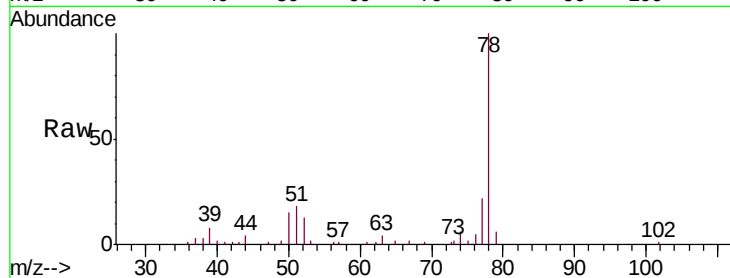
FL-0541

Tgt Ion: 78 Resp: 23601

Ion Ratio Lower Upper

78 100

77 21.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

10000

8000

6000

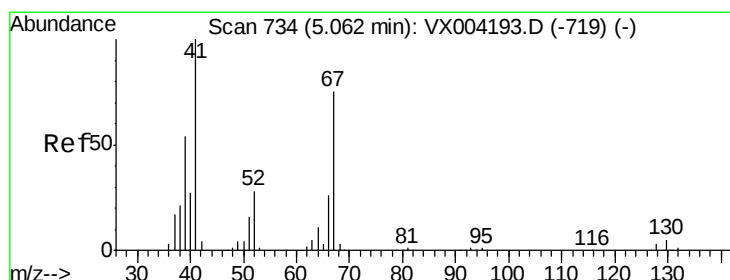
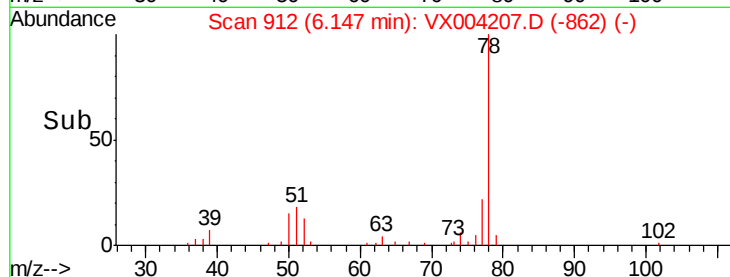
4000

2000

0

6.10 6.20

Time-->



#41

Methacrylonitrile

Concen: 3.344 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.18 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Tgt Ion: 41 Resp: 10206

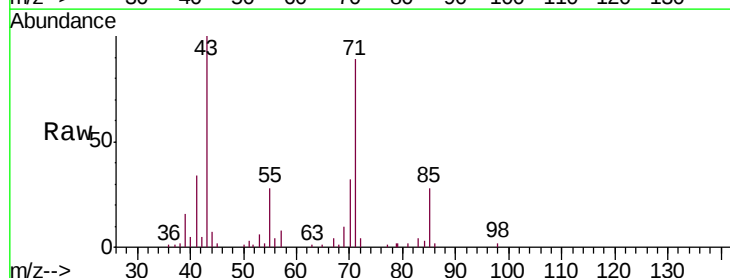
Ion Ratio Lower Upper

41 100

39 47.0 42.4 63.6

67 0.0 59.2 88.8#

52 1.7 23.0 34.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

12000

10000

8000

6000

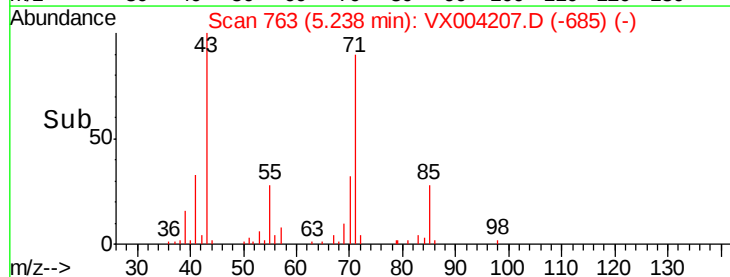
4000

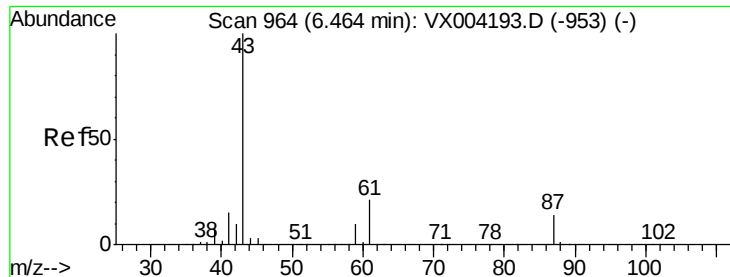
2000

0

5.10 5.20 5.30

Time-->





#43

Isopropyl Acetate

Concen: 1.394 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

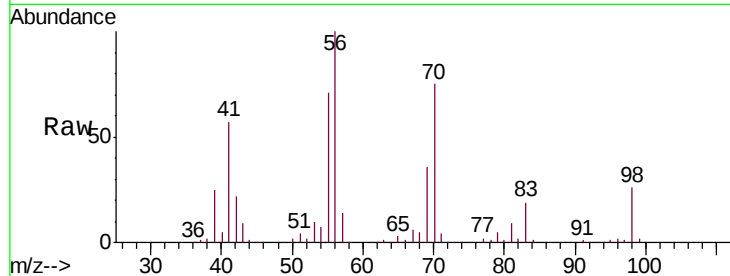
Tgt Ion: 43 Resp: 11276

Ion Ratio Lower Upper

43 100

61 2.8 17.0 25.4#

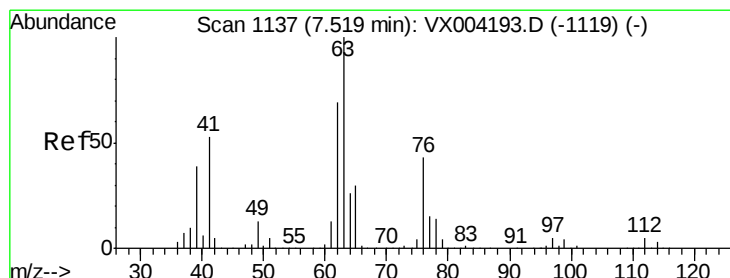
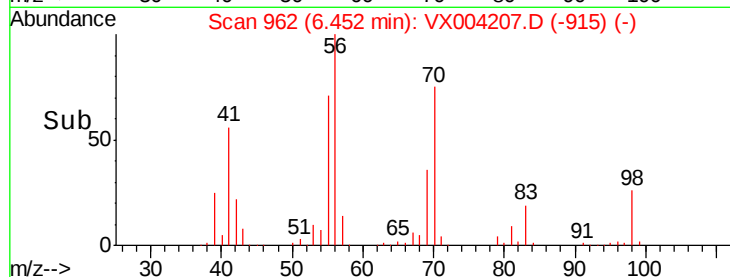
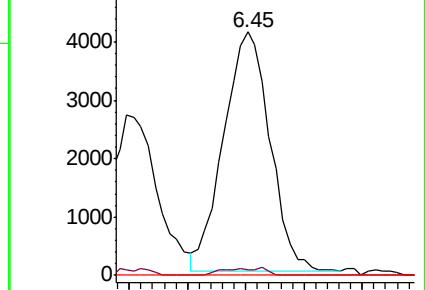
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 2.373 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX004207.D

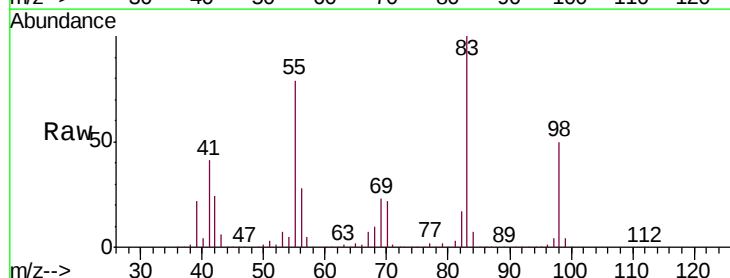
Acq: 22 Aug 2018 19:03

Tgt Ion: 63 Resp: 9503

Ion Ratio Lower Upper

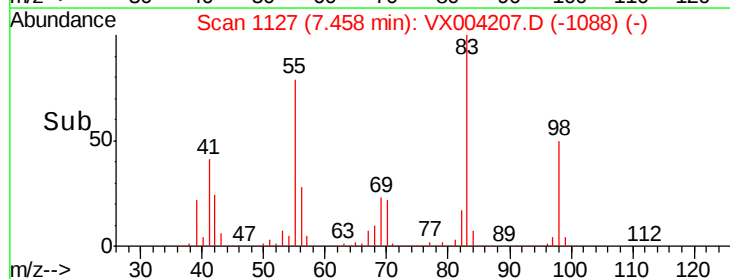
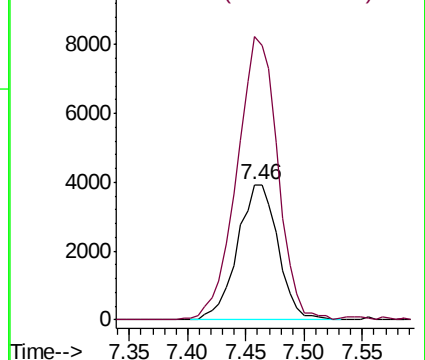
63 100

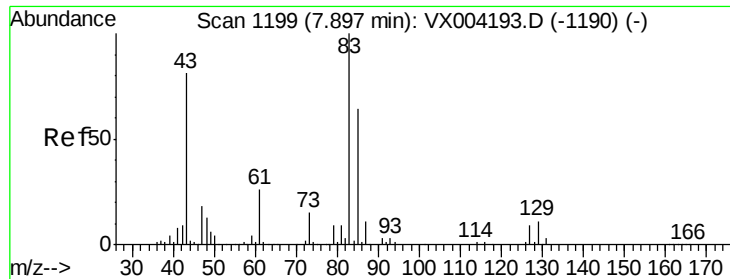
65 207.8 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.366 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

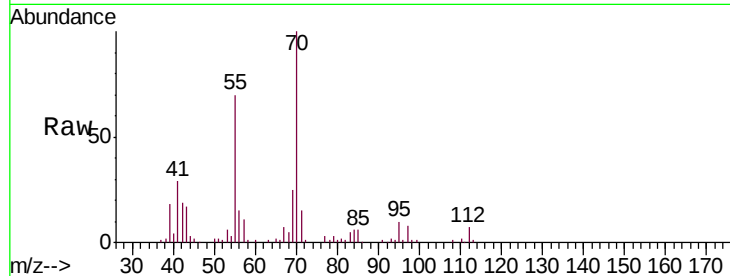
Tgt Ion: 83 Resp: 1815

Ion Ratio Lower Upper

83 100

85 117.0 50.9 76.3#

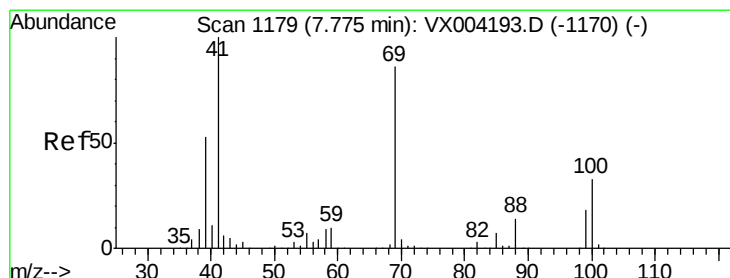
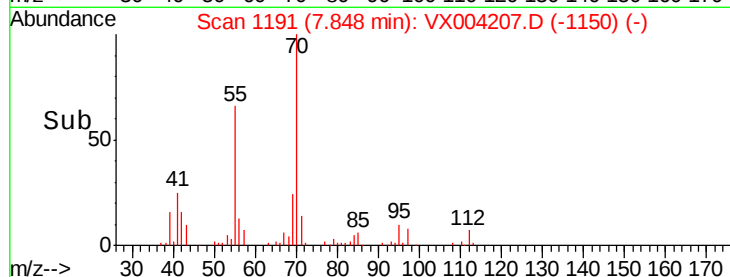
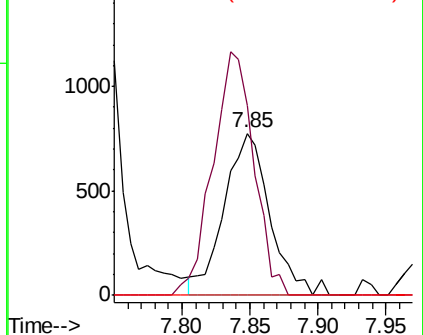
127 0.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 7.261 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.04 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

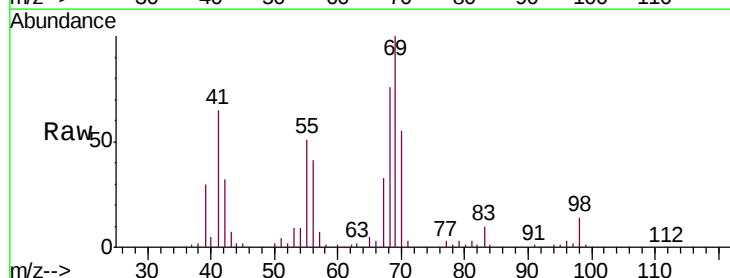
Tgt Ion: 41 Resp: 31440

Ion Ratio Lower Upper

41 100

69 154.7 70.2 105.4#

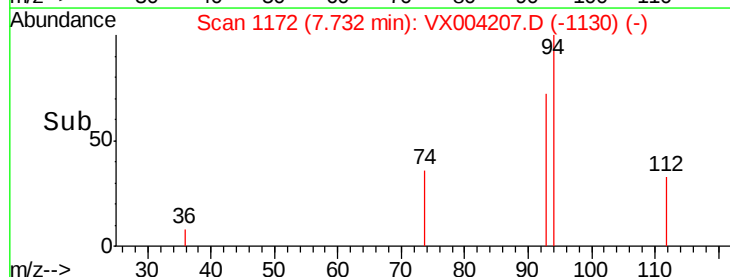
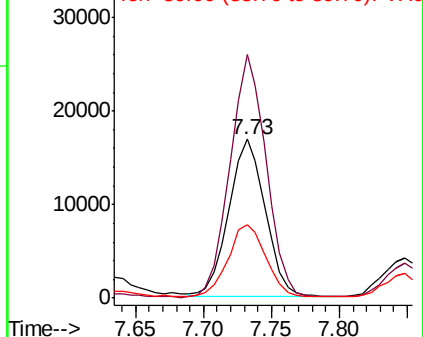
39 47.6 42.7 64.1

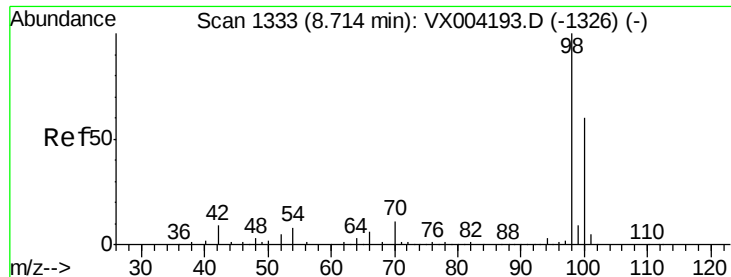


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#50

Toluene-d8

Concen: 50.658 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

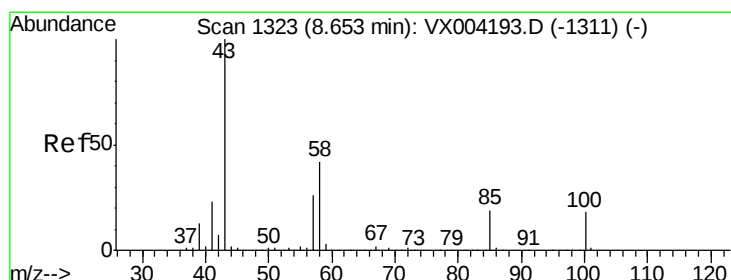
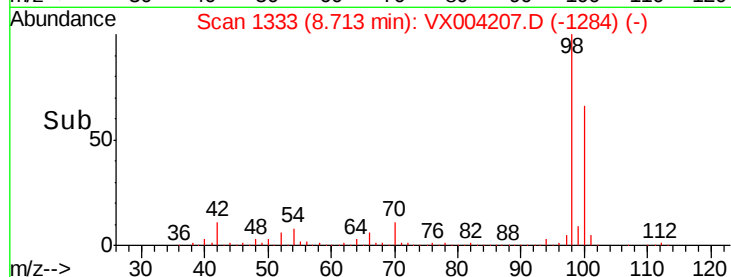
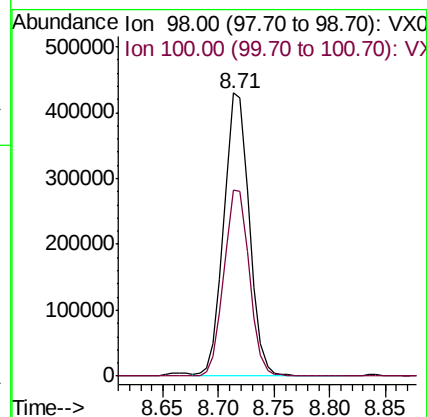
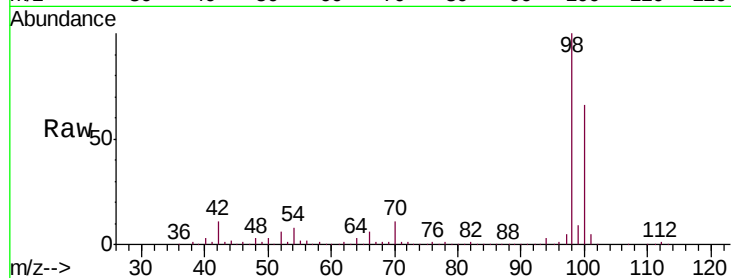
FL-0541

Tgt Ion: 98 Resp: 677508

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.526 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX004207.D

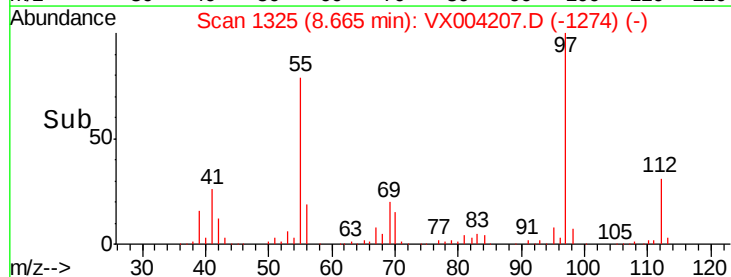
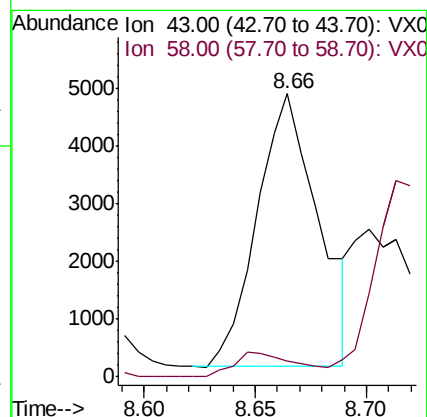
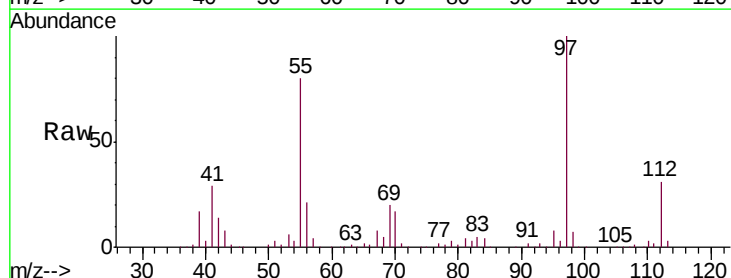
Acq: 22 Aug 2018 19:03

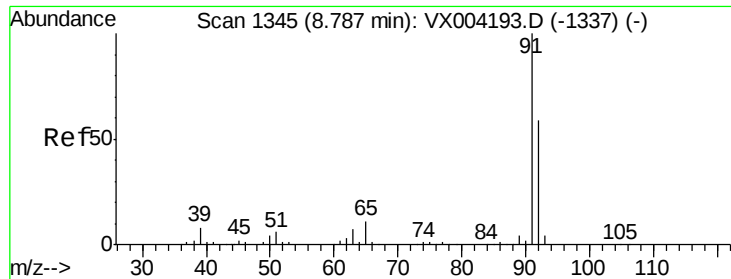
Tgt Ion: 43 Resp: 8970

Ion Ratio Lower Upper

43 100

58 9.4 33.1 49.7#





#52

Toluene

Concen: 6.588 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

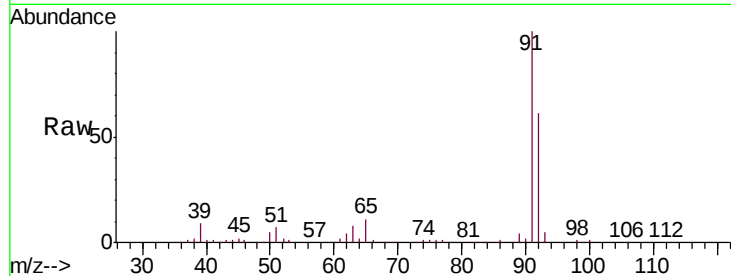
FL-0541

Tgt Ion: 92 Resp: 65981

Ion Ratio Lower Upper

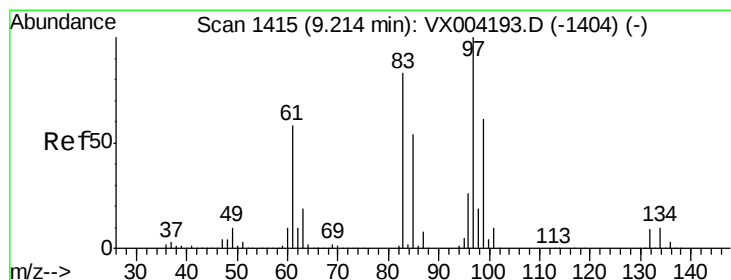
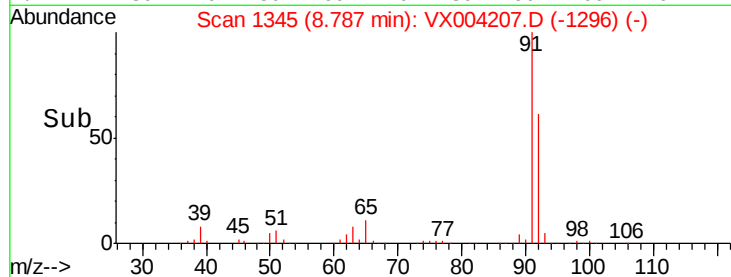
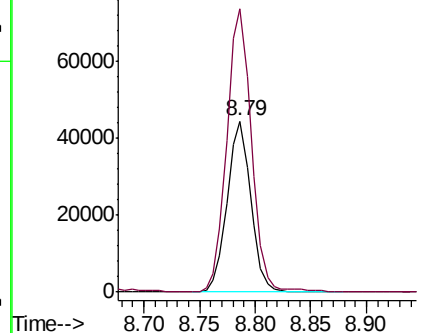
92 100

91 170.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 12.755 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Tgt Ion: 97 Resp: 51566

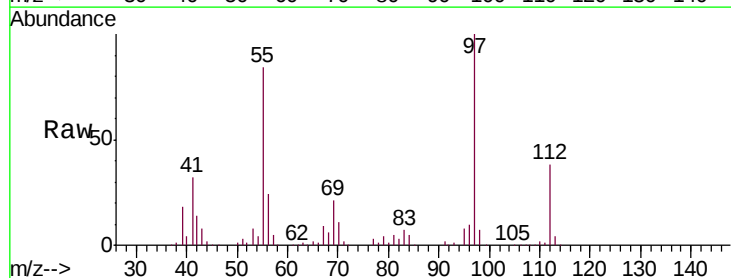
Ion Ratio Lower Upper

97 100

83 7.4 66.4 99.6#

85 0.4 43.3 64.9#

99 0.2 49.0 73.4#

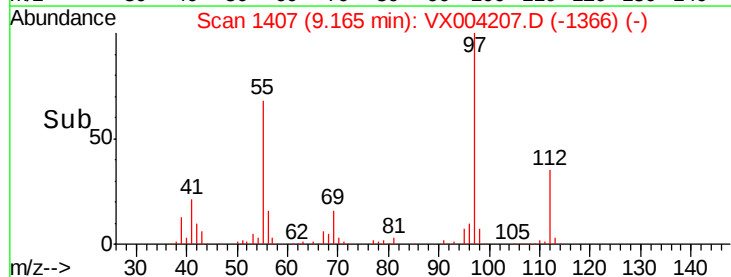
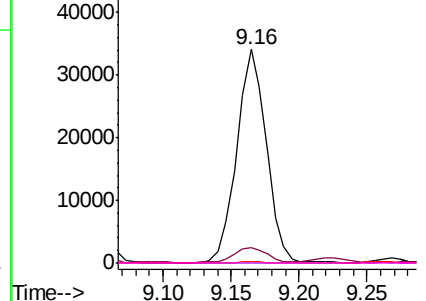


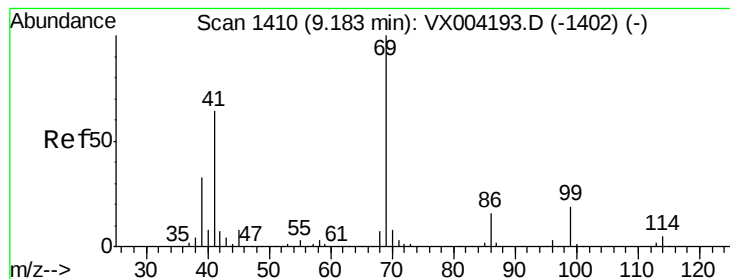
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 2.044 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

FL-0541

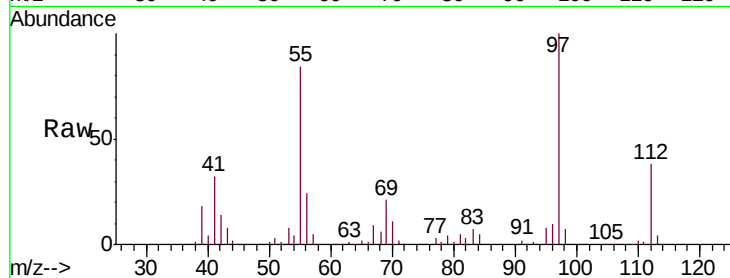
Tgt Ion: 69 Resp: 11248

Ion Ratio Lower Upper

69 100

41 150.1 51.0 76.4#

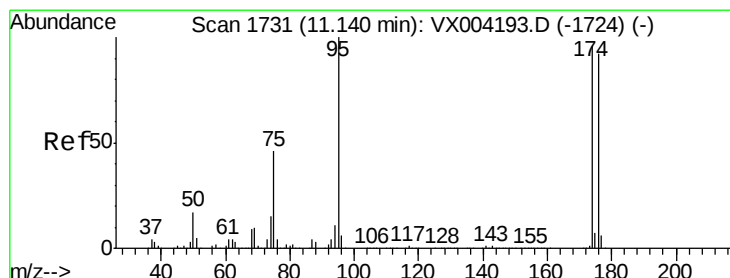
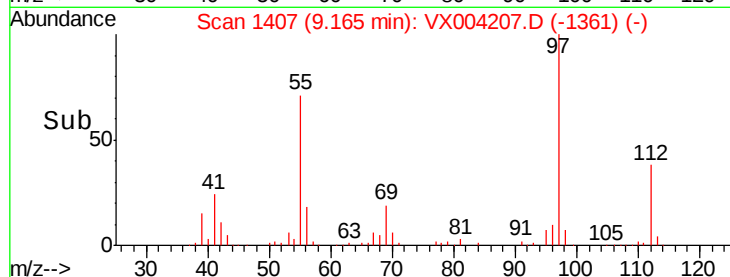
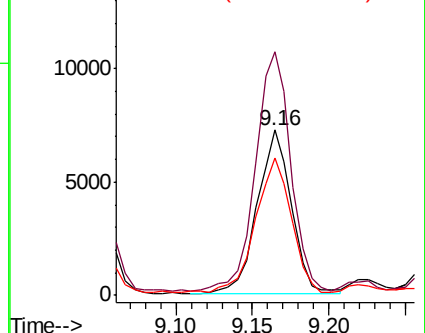
39 86.6 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.748 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

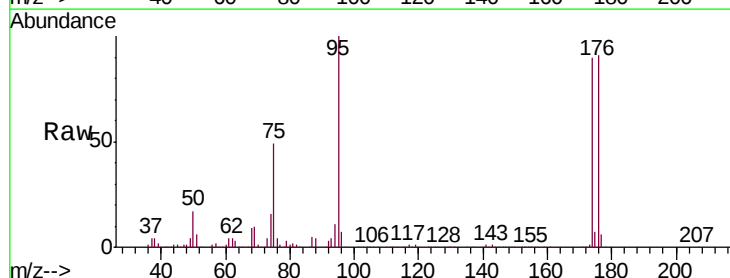
Tgt Ion: 95 Resp: 238271

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

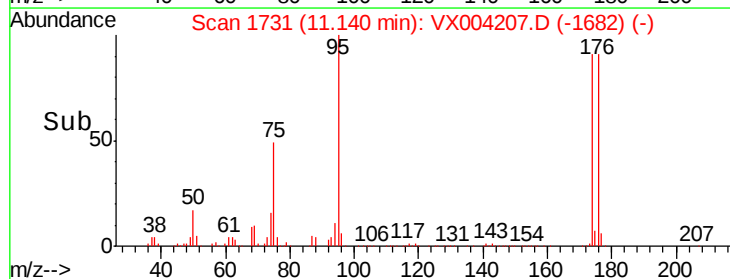
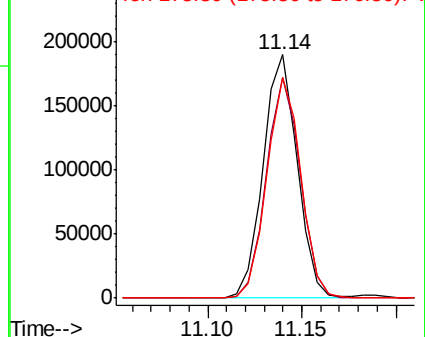
176 90.2 0.0 178.6

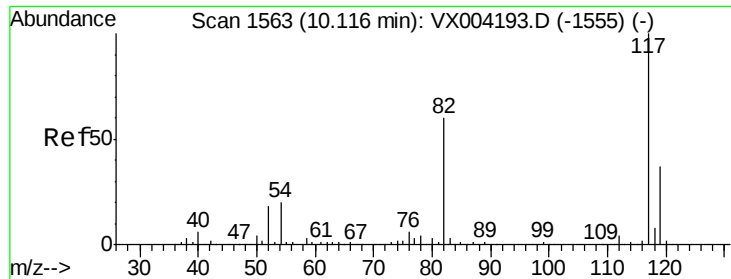


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

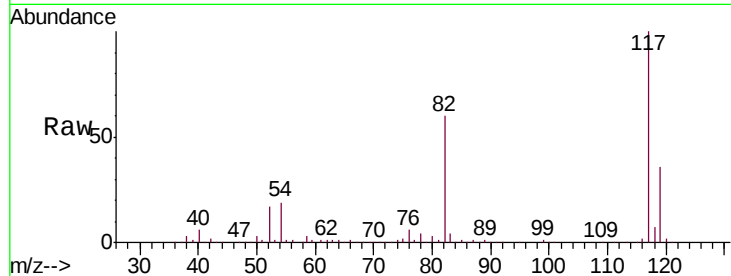




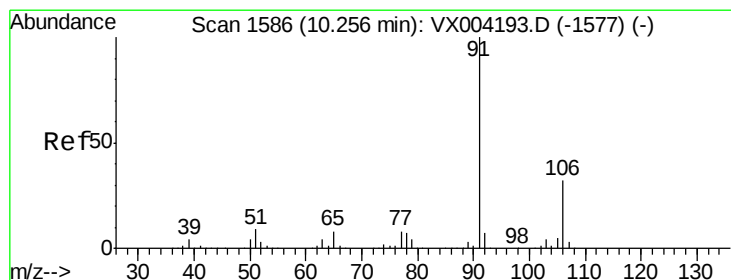
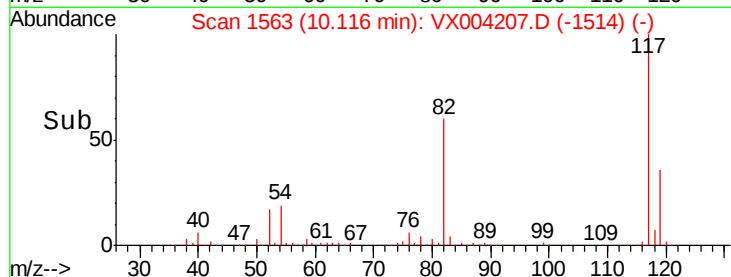
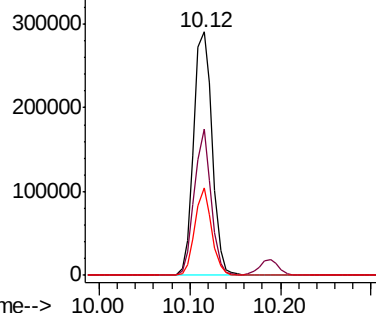
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tgt Ion: 117 Resp: 415819
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.6
119 35.9 29.3 43.9

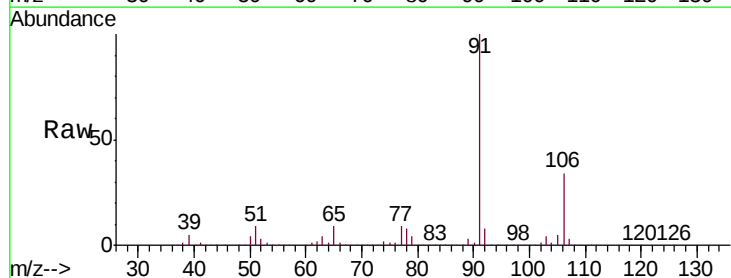


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

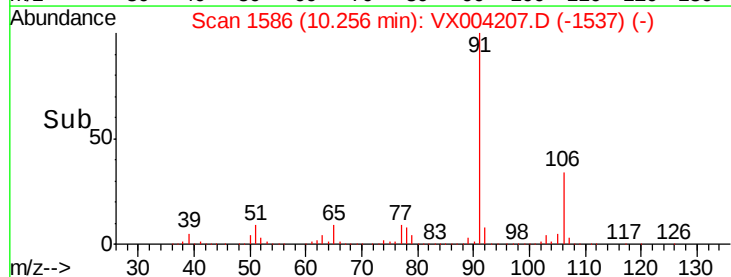
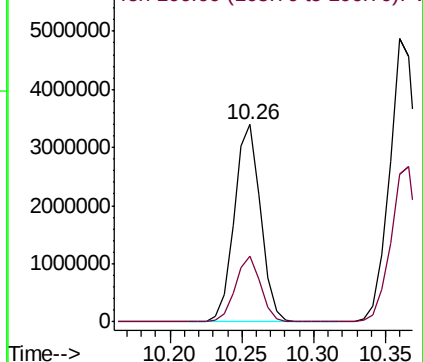


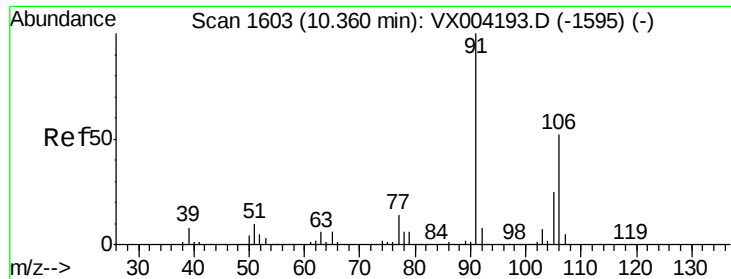
#67
Ethyl Benzene
Concen: 255.478 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 91 Resp: 4329941
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

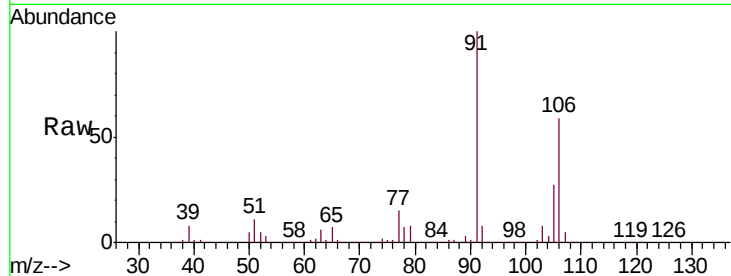




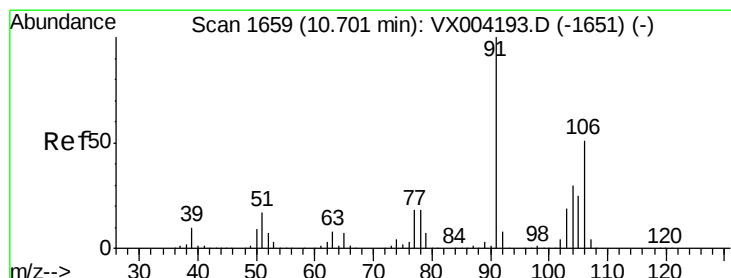
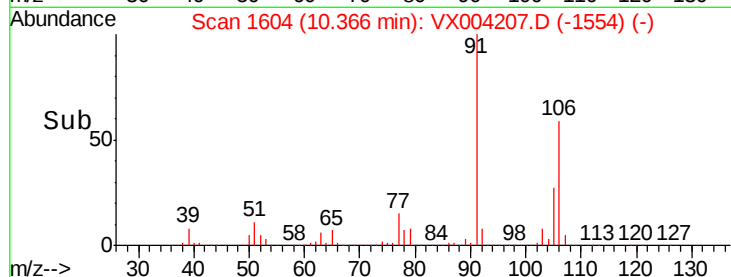
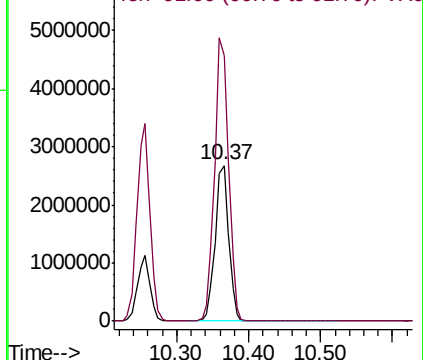
#68
m/p-Xylenes
Concen: 525.252 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tgt Ion:106 Resp: 3480920
Ion Ratio Lower Upper
106 100
91 187.7 157.1 235.7

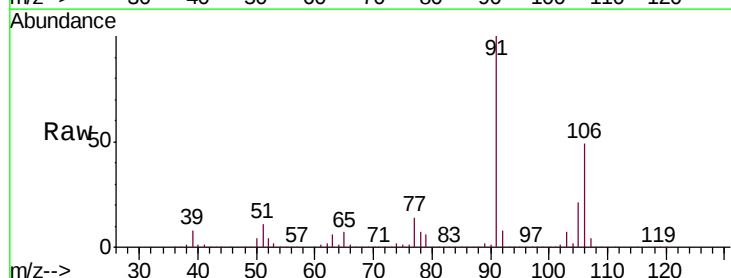


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

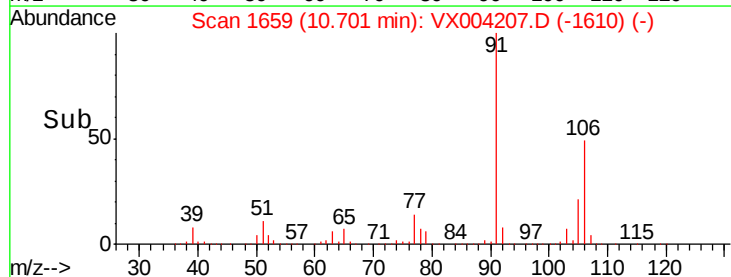
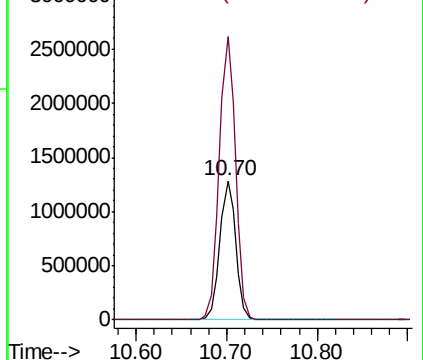


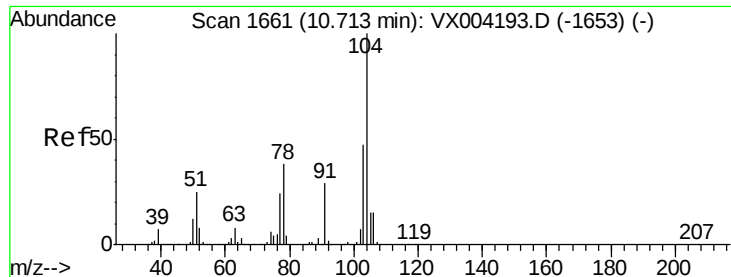
#69
o-Xylene
Concen: 252.463 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion:106 Resp: 1582623
Ion Ratio Lower Upper
106 100
91 209.2 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Styrene

Concen: 7.452 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

FL-0541

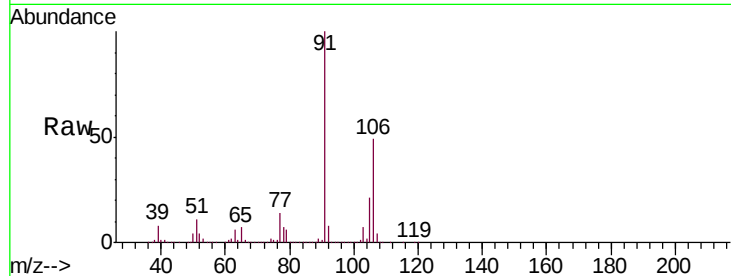
Tgt Ion:104 Resp: 75643

Ion Ratio Lower Upper

104 100

78 288.5 37.4 56.0#

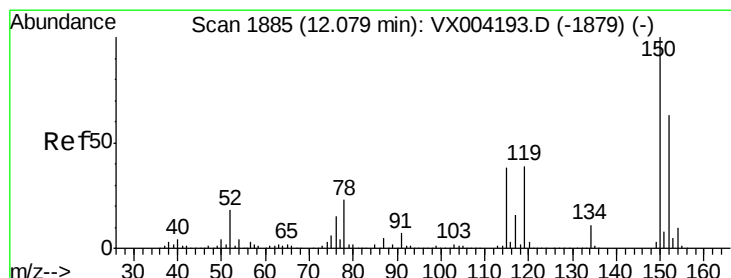
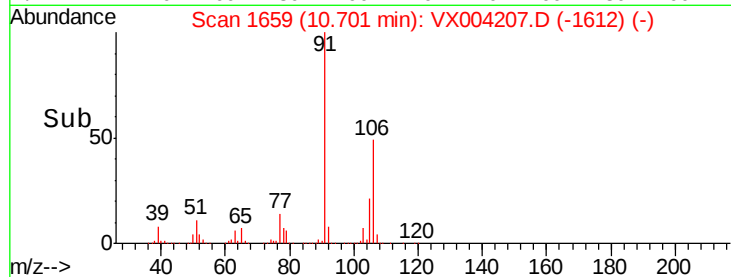
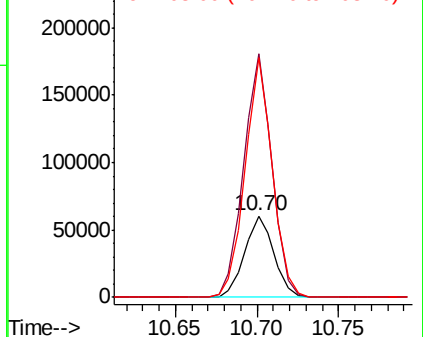
103 275.1 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

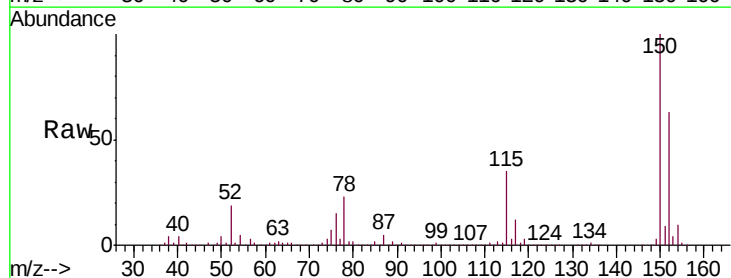
Tgt Ion:152 Resp: 260200

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

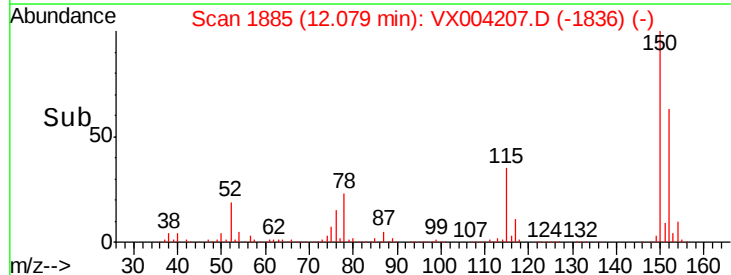
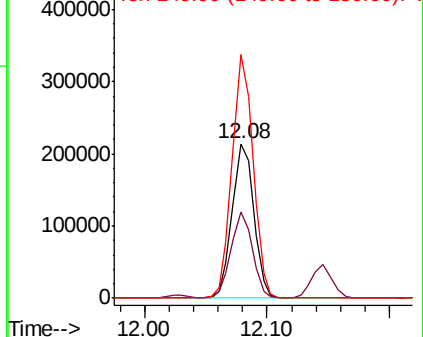
150 154.4 0.0 351.0

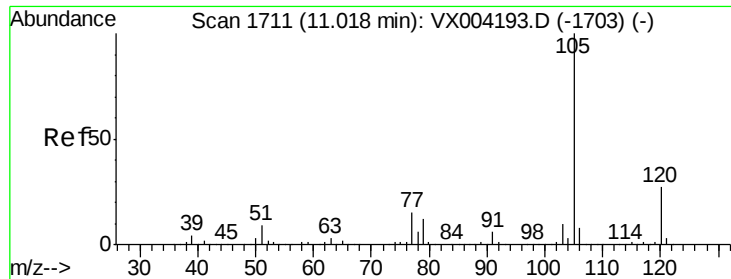


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.914 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

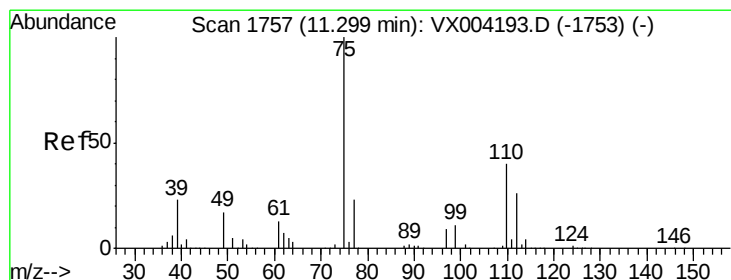
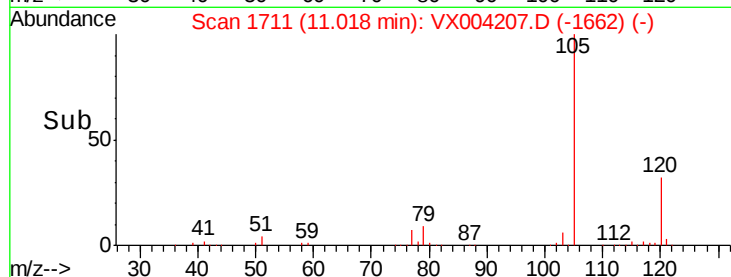
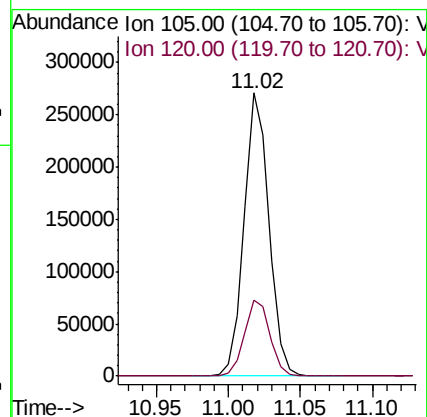
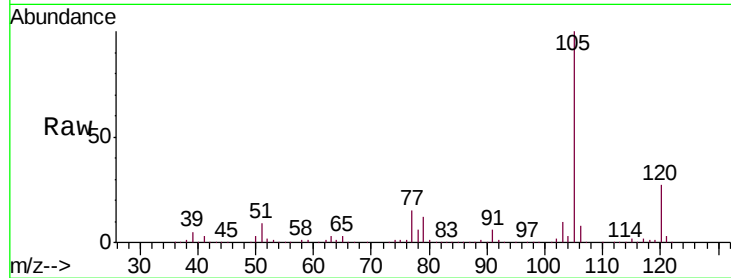
FL-0541

Tgt Ion:105 Resp: 323233

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 2.712 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.14 min

Lab File: VX004207.D

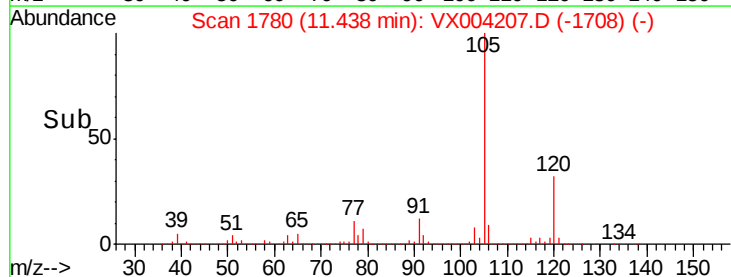
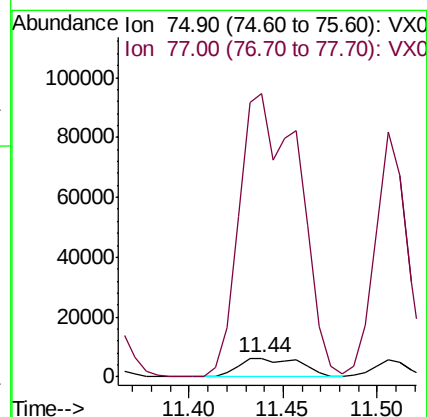
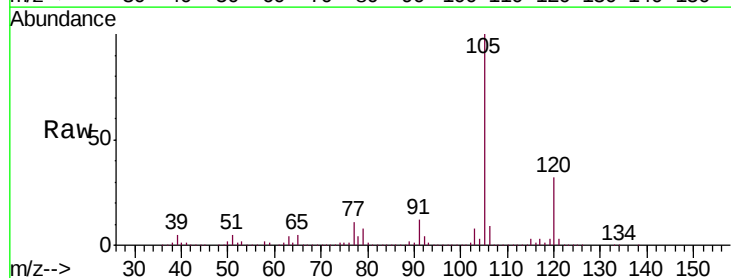
Acq: 22 Aug 2018 19:03

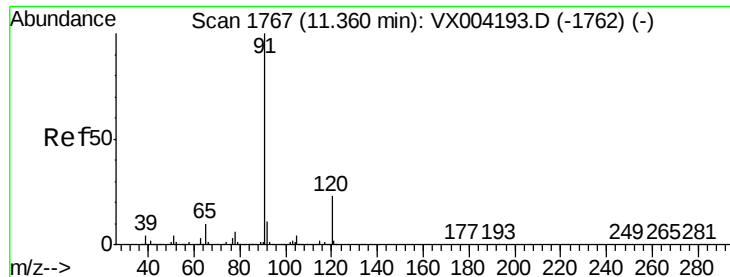
Tgt Ion: 75 Resp: 14352

Ion Ratio Lower Upper

75 100

77 1439.2 20.2 60.6#

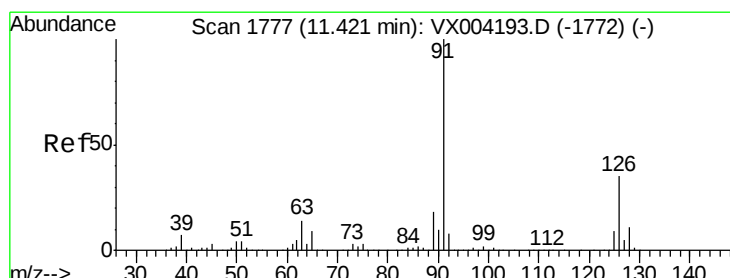
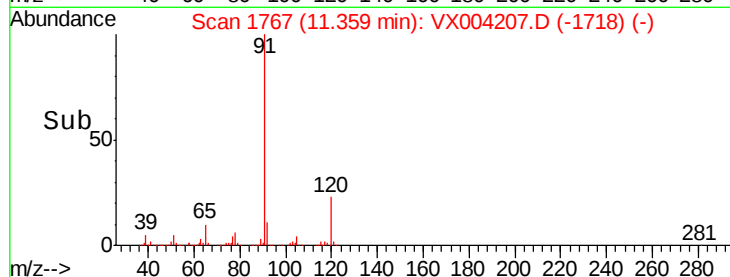
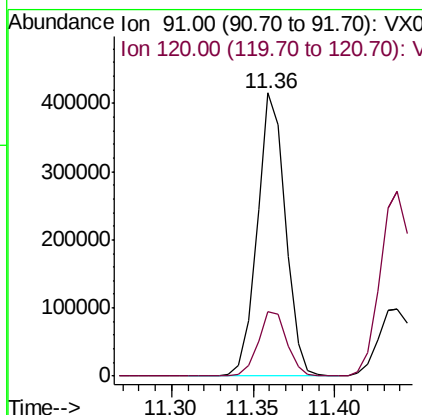
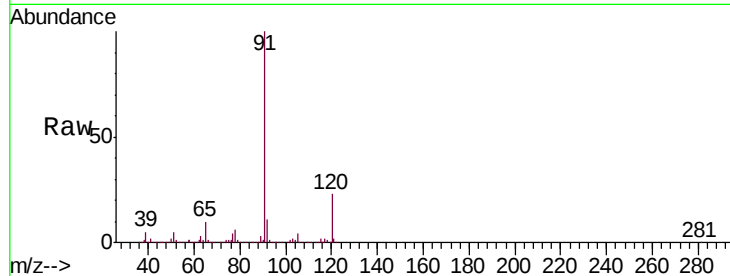




#78
n-propylbenzene
Concen: 25.327 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

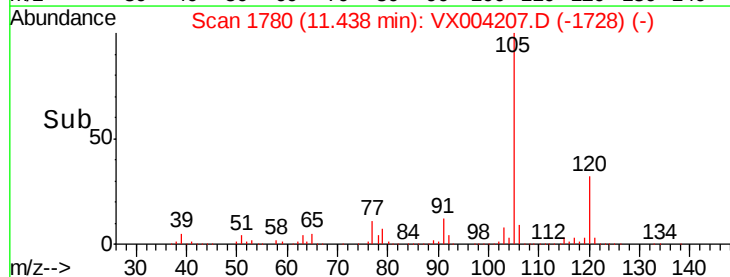
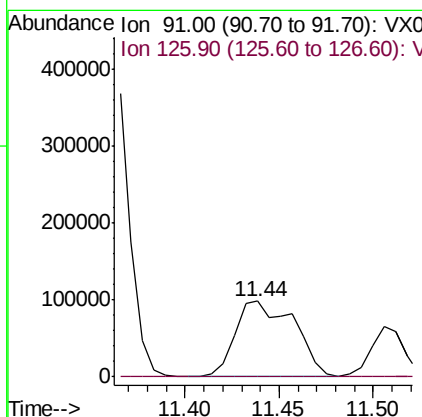
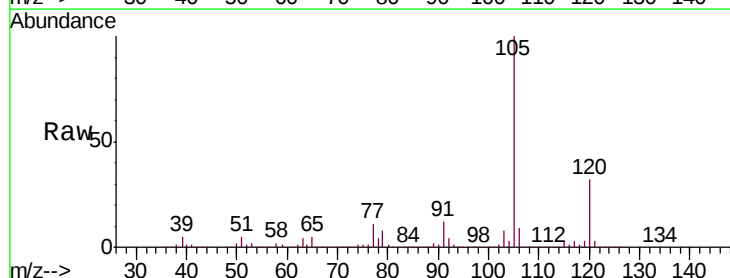
Instrument :
MSVOA_X
ClientSampleId :
FL-0541

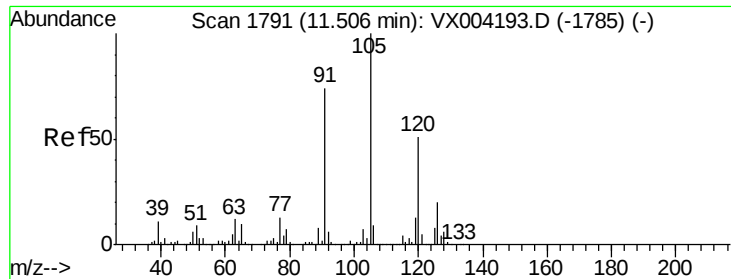
Tgt Ion: 91 Resp: 497817
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.9



#79
2-Chlorotoluene
Concen: 17.631 ug/l
RT: 11.44 min Scan# 1780
Delta R.T. 0.02 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 91 Resp: 213295
Ion Ratio Lower Upper
91 100
126 0.2 17.9 53.7#





#80

1,3,5-Trimethylbenzene

Concen: 54.036 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampled :

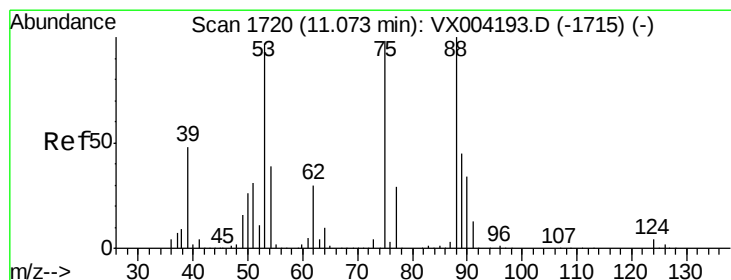
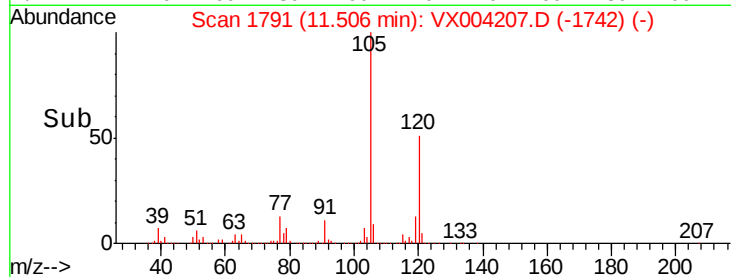
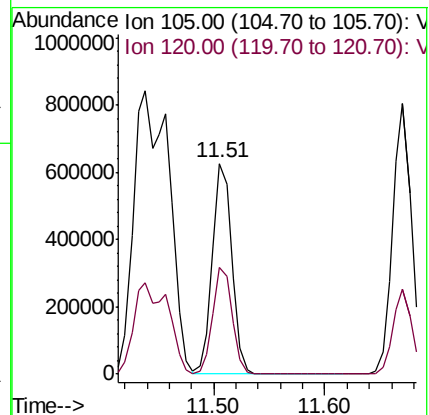
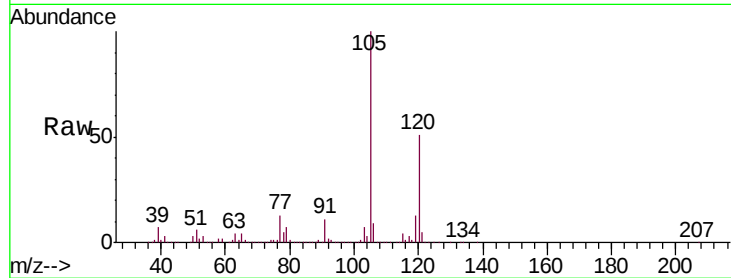
FL-0541

Tgt Ion:105 Resp: 764749

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.8



#81

trans-1,4-Dichloro-2-butene

Concen: 2.177 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.06 min

Lab File: VX004207.D

Acq: 22 Aug 2018 19:03

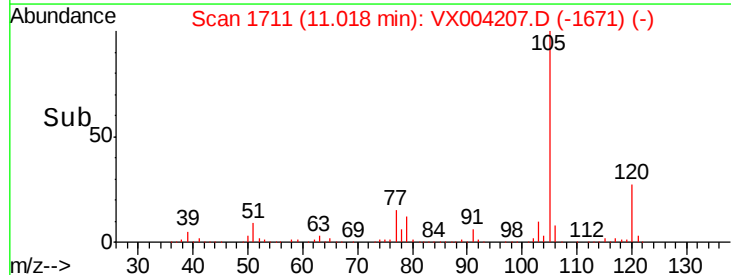
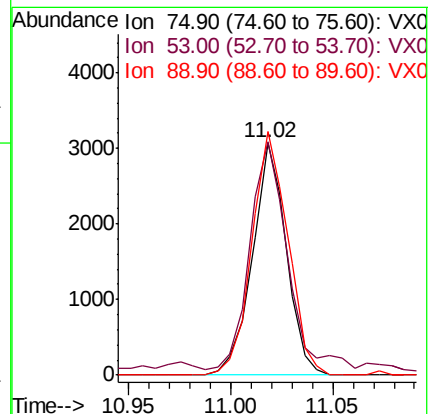
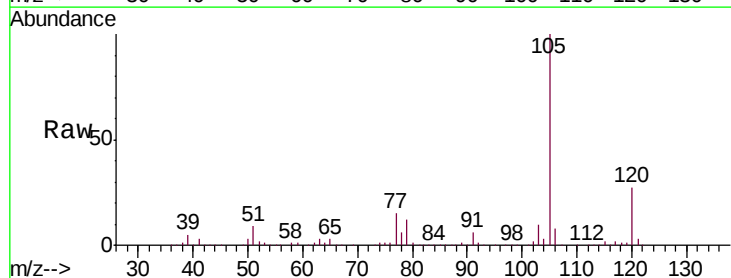
Tgt Ion: 75 Resp: 3550

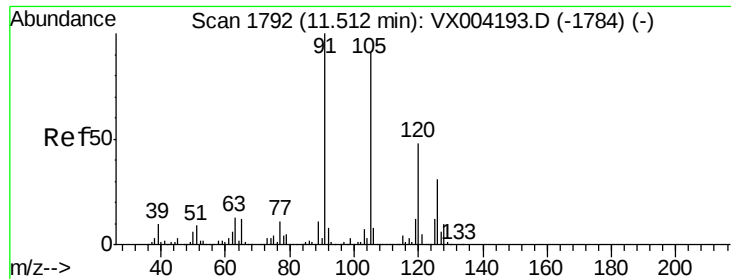
Ion Ratio Lower Upper

75 100

53 113.3 80.1 120.1

89 111.5 37.2 55.8#

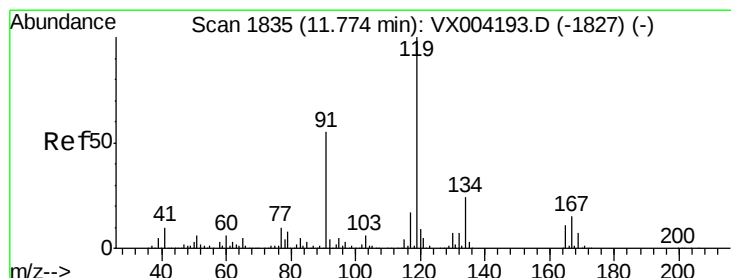
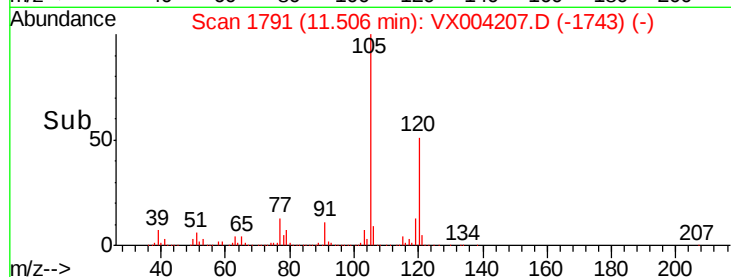
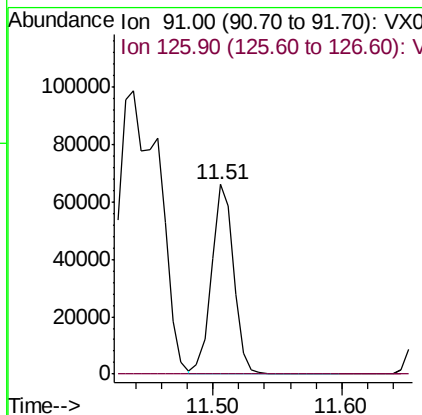
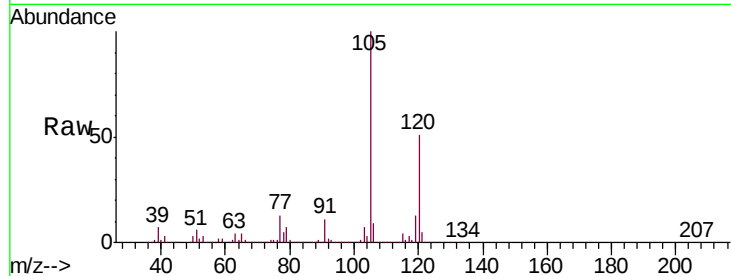




#82
4-Chlorotoluene
Concen: 5.580 ug/l
RT: 11.51 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

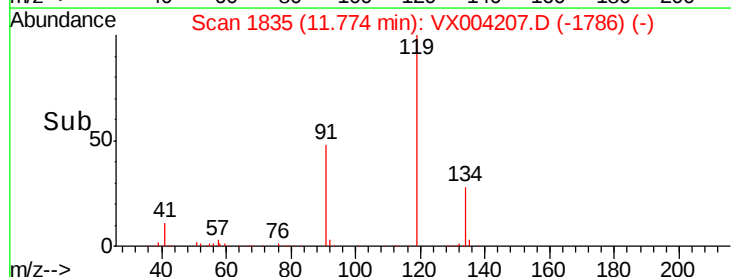
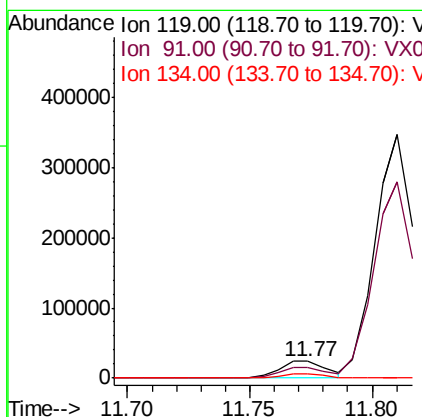
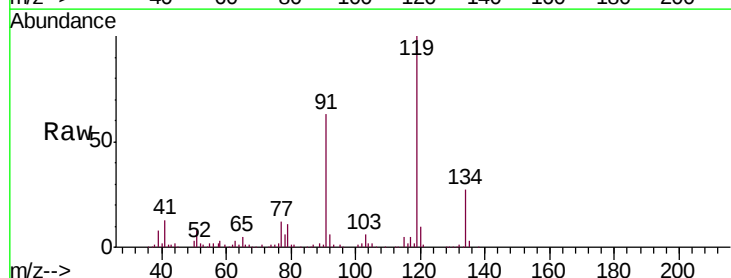
Instrument :
MSVOA_X
ClientSampled :
FL-0541

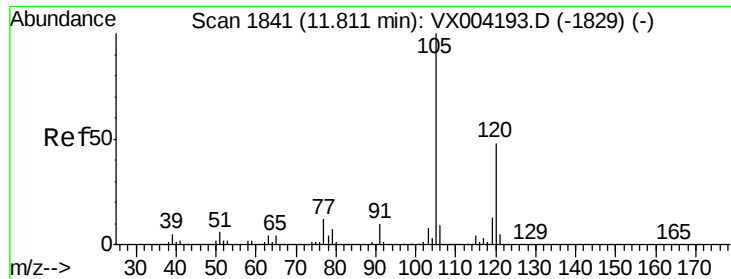
Tgt Ion: 91 Resp: 79436
Ion Ratio Lower Upper
91 100
126 0.4 15.5 46.5#



#83
tert-Butylbenzene
Concen: 2.240 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 119 Resp: 31889
Ion Ratio Lower Upper
119 100
91 65.6 27.0 81.0
134 27.2 11.7 35.1

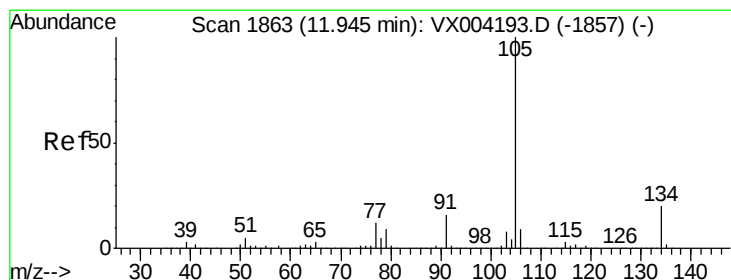
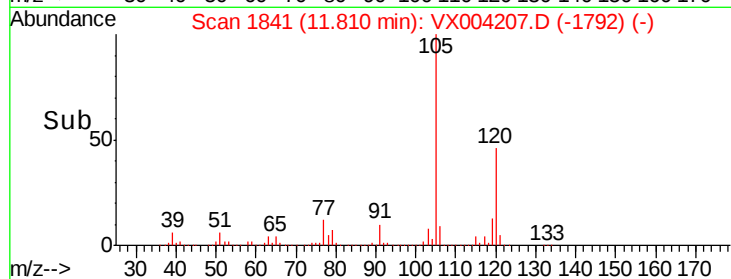
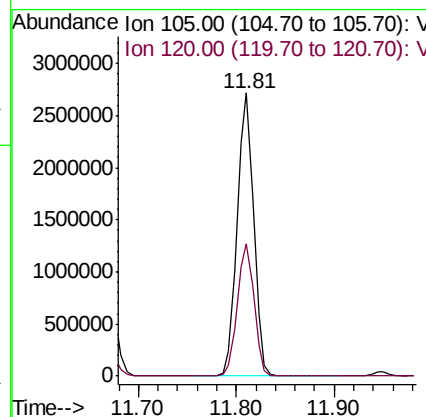
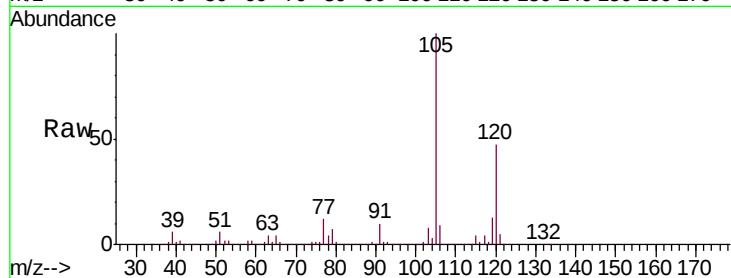




#84
 1,2,4-Trimethylbenzene
 Concen: 219.571 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

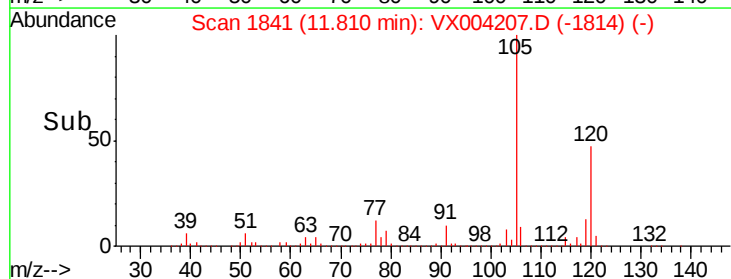
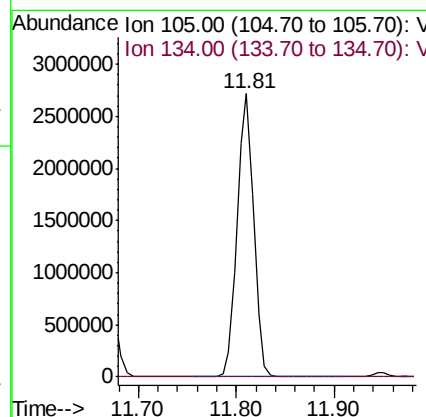
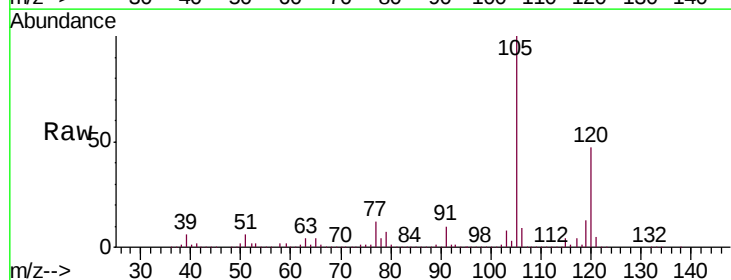
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0541

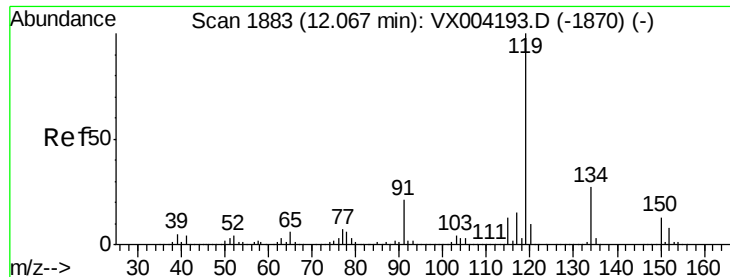
Tgt Ion:105 Resp: 3189798
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 188.687 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.13 min
 Lab File: VX004207.D
 Acq: 22 Aug 2018 19:03

Tgt Ion:105 Resp: 3189798
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#

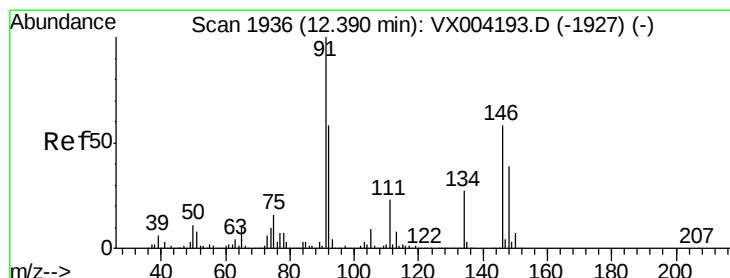
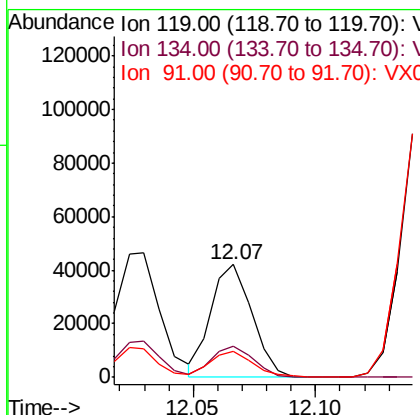
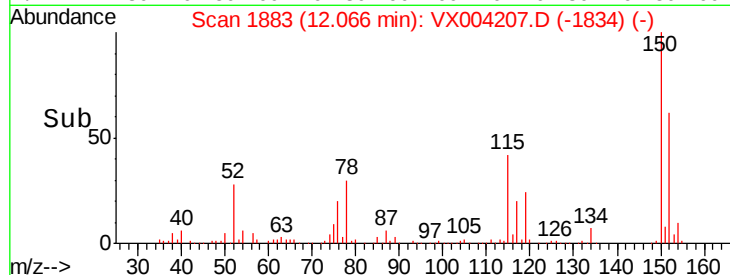
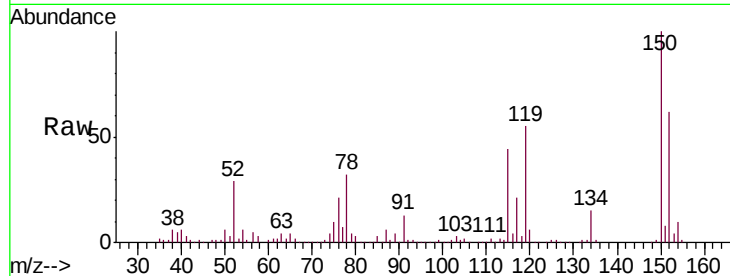




#86
p-Isopropyltoluene
Concen: 3.233 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

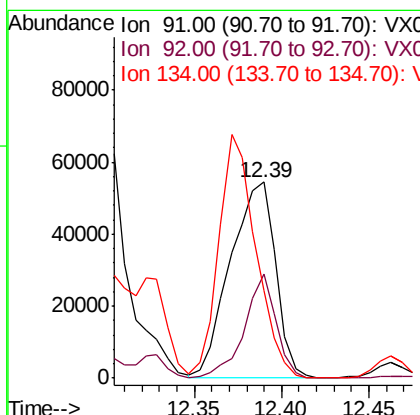
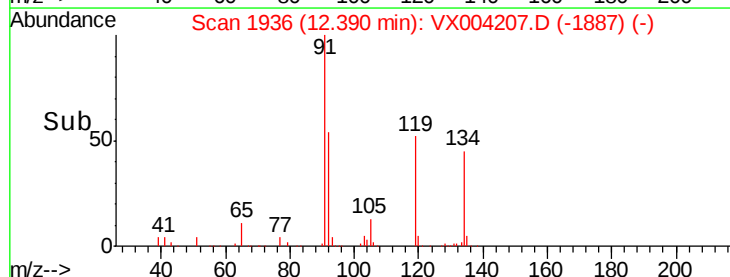
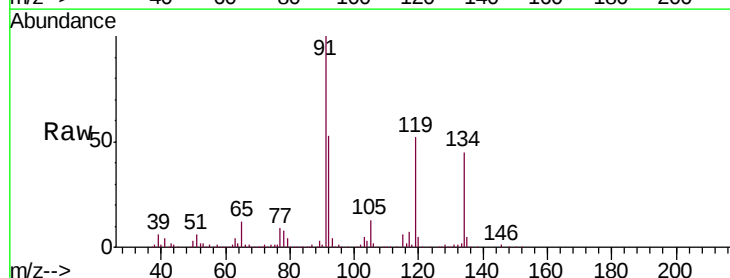
Instrument :
MSVOA_X
ClientSampleId :
FL-0541

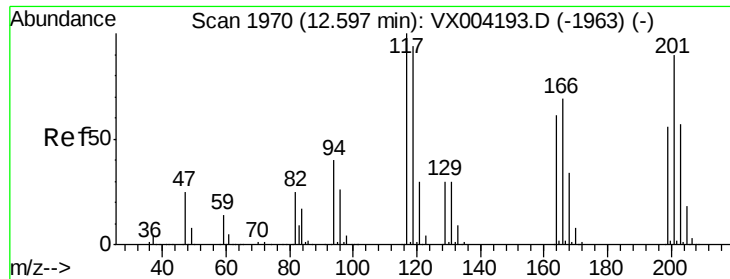
Tgt Ion: 119 Resp: 48985
Ion Ratio Lower Upper
119 100
134 28.4 13.4 40.2
91 24.0 10.9 32.7



#89
n-Butylbenzene
Concen: 7.899 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 91 Resp: 97314
Ion Ratio Lower Upper
91 100
92 37.3 27.3 81.9
134 102.6 13.6 40.7#

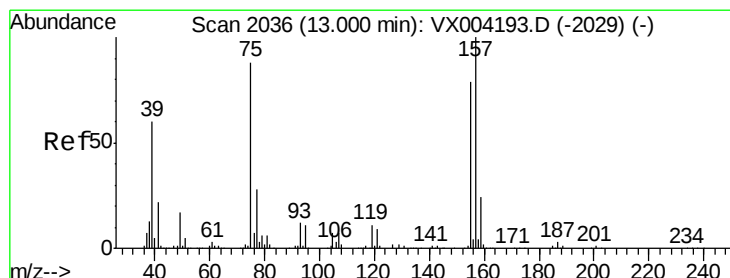
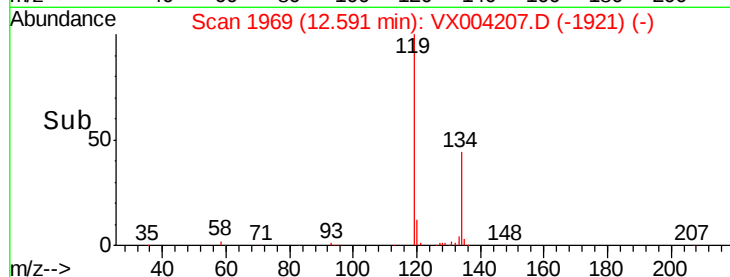
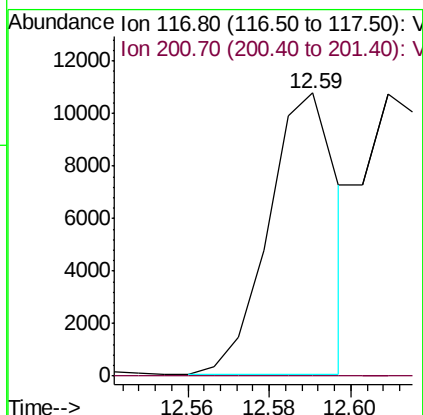
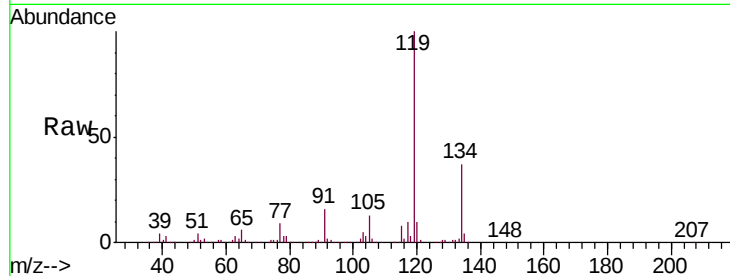




#90
Hexachloroethane
Concen: 5.902 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

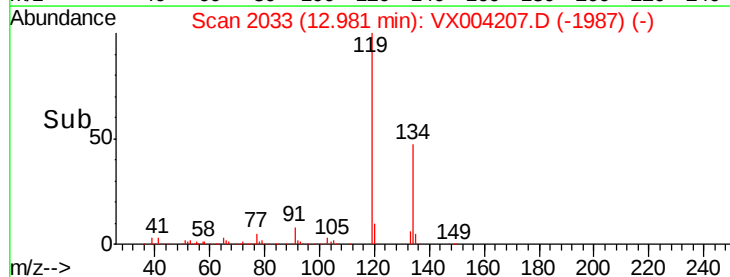
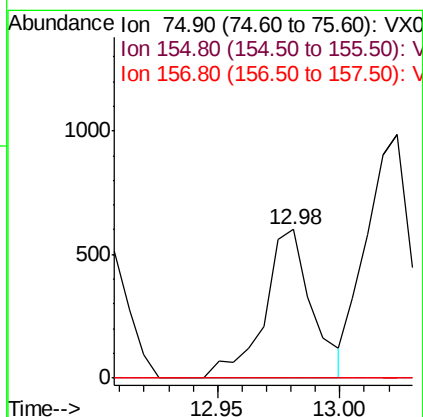
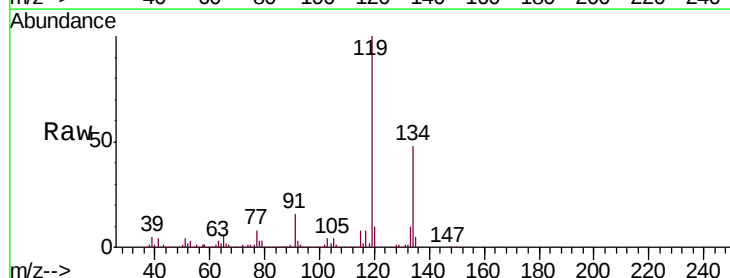
Instrument :
MSVOA_X
ClientSampleId :
FL-0541

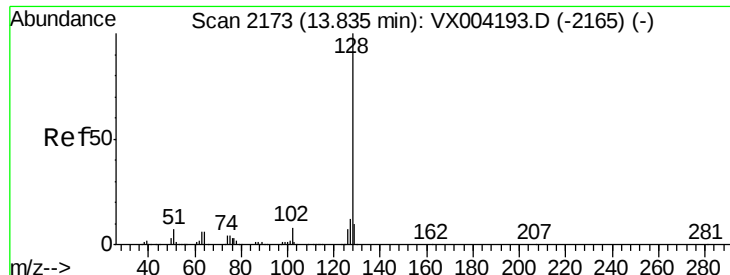
Tgt Ion:117 Resp: 12498
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.775 ug/l
RT: 12.98 min Scan# 2033
Delta R.T. -0.02 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Tgt Ion: 75 Resp: 816
Ion Ratio Lower Upper
75 100
155 0.0 48.0 144.2#
157 0.0 61.4 184.1#

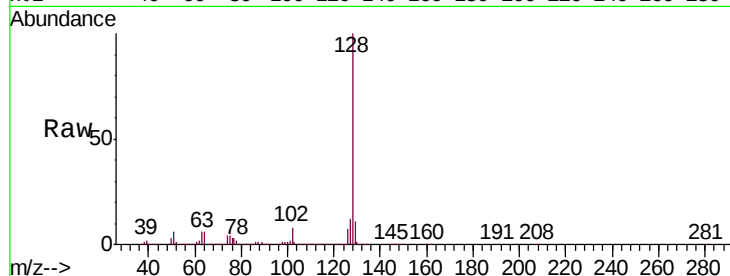




#95
Naphthalene
Concen: 102.563 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004207.D
Acq: 22 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0541

Tgt Ion:128 Resp: 1741103
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
2000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

